

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035335.D
 Acq On : 5 Aug 2020 9:58
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:53 PM

Quant Time: Aug 05 10:48:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 2020
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1379921	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3569446	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3305521	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2785066	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	202409	1.121 ppbv	98
3) Chlorodifluoromethane	2.94	51	175323	1.106 ppbv	97
4) Chloromethane	3.10	50	95265	1.052 ppbv	94
5) Vinyl Chloride	3.21	62	96402	1.093 ppbv	93
6) Bromomethane	3.43	94	61227	1.056 ppbv	83
7) Chloroethane	3.52	64	36311	1.036 ppbv #	77
8) Dichlorotetrafluoroethane	3.14	85	243597	1.119 ppbv	98
9) Propene	2.96	41	56605	0.988 ppbv	94
10) Heptane	8.12	43	141568	0.963 ppbv	96
11) Trichlorofluoromethane	3.92	101	265388	1.125 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	191600	1.166 ppbv	95
13) Ethanol	3.57	45	23488m	1.110 ppbv	
14) Bromoethene	3.70	108	73054	1.079 ppbv	97
15) Acetone	3.82	43	226200	1.134 ppbv	92
16) 1,3-Butadiene	3.28	39	79184	1.064 ppbv	100
17) tert-Butyl alcohol	4.26	59	192887	1.061 ppbv	100
18) 1,1-Dichloroethene	4.26	96	77091	1.042 ppbv #	74
19) Isopropyl Alcohol	3.93	45	142438	1.136 ppbv #	92
20) Methylene Chloride	4.31	84	100941	1.108 ppbv #	83
21) Allyl Chloride	4.38	41	115008	1.018 ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	78195	1.065 ppbv	88
23) Vinyl Acetate	5.05	43	182698	0.924 ppbv #	95
24) 1,1-Dichloroethane	4.99	63	192530	1.046 ppbv	100
25) Ethyl Acetate	5.66	43	318437	1.056 ppbv	100
26) Hexane	5.67	57	129116	0.956 ppbv	86
27) Carbon Disulfide	4.52	76	192023	1.057 ppbv	96
28) Methyl tert-Butyl Ether	5.01	73	188674	0.930 ppbv	95
29) Chloroform	5.74	83	243017	1.064 ppbv	95
30) Cyclohexane	7.13	84	81962	0.809 ppbv #	88
31) cis-1,2-Dichloroethene	5.54	61	108616m	0.872 ppbv	
32) 1,1,1-Trichloroethane	6.50	97	232010	1.050 ppbv	99
34) 2-Butanone	5.23	43	178154	0.948 ppbv	100
35) Carbon Tetrachloride	7.01	117	231401	1.002 ppbv	93
36) Benzene	6.88	78	235247	0.899 ppbv	93
37) 1,2-Dichloroethane	6.29	62	167846	0.947 ppbv	98
38) Trichloroethene	7.84	130	104837m	1.090 ppbv	
39) 1,2-Dichloropropane	7.62	63	97545	0.946 ppbv	92
40) 1,4-Dioxane	7.85	88	45843m	1.023 ppbv	
41) Tetrahydrofuran	6.05	42	78278	0.844 ppbv	96
42) Bromodichloromethane	7.79	83	231855	0.959 ppbv #	92
43) Methyl Methacrylate	8.02	69	89798	0.821 ppbv	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035335.D
 Acq On : 5 Aug 2020 9:58
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

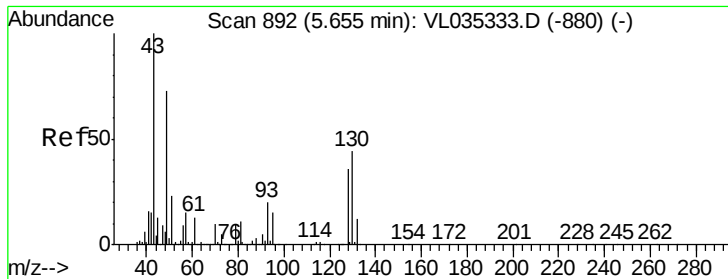
MMDadoda
 8/6/2020 12:48:53 PM

Quant Time: Aug 05 10:48:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 2020
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	441280m	0.984	ppbv	
45) t-1,3-Dichloropropene	9.29	75	84834	0.727	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	103974	0.744	ppbv	89
47) 1,1,2-Trichloroethane	9.49	97	120275m	1.005	ppbv	
48) Dibromochloromethane	10.32	129	186578	0.958	ppbv	99
49) Bromoform	13.07	173	168189	0.991	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	260850	0.983	ppbv	99
51) 2-Hexanone	10.16	43	195985	0.954	ppbv #	93
52) Tetrachloroethene	11.24	164	91396m	0.991	ppbv	
53) Toluene	9.82	91	235191	0.855	ppbv	99
54) 1,2-Dibromoethane	10.63	107	167568	0.946	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.14	131	168965m	1.089	ppbv	
57) Chlorobenzene	12.17	112	266974	1.055	ppbv	97
58) Ethyl Benzene	12.73	91	333137	0.920	ppbv	96
59) m/p-Xylene	13.02	91	653291m	1.955	ppbv	
60) o-Xylene	13.72	91	318853	0.965	ppbv	97
61) Styrene	13.55	104	165808m	0.816	ppbv	
62) Isopropylbenzene	14.70	105	501048	1.005	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.71	83	287123	1.108	ppbv	99
64) n-propylbenzene	15.59	120	132148m	1.014	ppbv	
65) tert-Butylbenzene	16.78	119	456123	1.022	ppbv	96
66) Benzyl Chloride	17.03	91	166348m	0.964	ppbv	
67) sec-Butylbenzene	17.33	105	660186	1.046	ppbv	97
69) p-Isopropyltoluene	17.69	119	517691	0.992	ppbv	99
70) n-Butylbenzene	18.59	91	556648	0.991	ppbv	96
71) 2-Chlorotoluene	15.49	91	342451	0.921	ppbv	96
72) 4-Ethyltoluene	15.87	105	358976	0.963	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	349817	0.958	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	407528	0.973	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	276845	1.063	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	254407	1.032	ppbv	96
77) 1,2-Dichlorobenzene	17.85	146	251854m	1.049	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	216275	1.109	ppbv	97
79) Naphthalene	22.26	128	253654m	0.766	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	15813	0.163	ppbv #	86
81) 1,2,4-Trichlorobenzene	21.99	180	181982m	0.903	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1379921

Ion Ratio Lower Upper

49 100

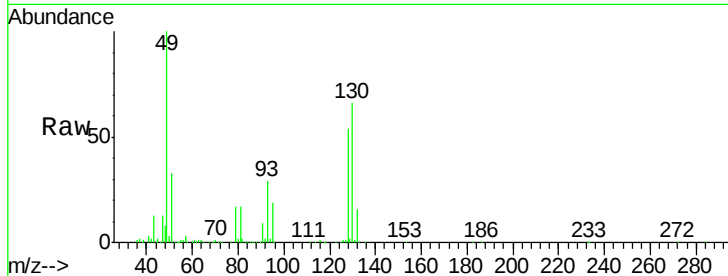
128 52.2 25.4 76.0

130 65.9 32.1 96.3

Manual Integrations
APPROVED

MMDadoda

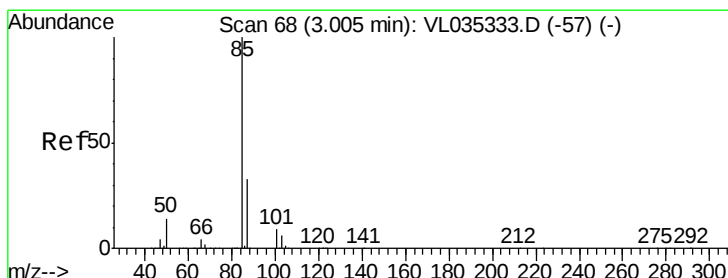
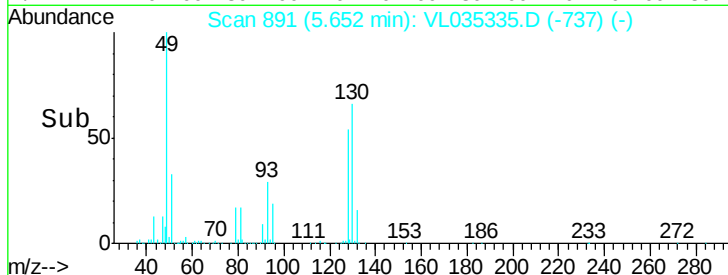
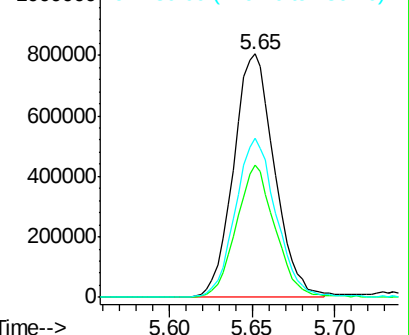
8/6/2020 12:48:53 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.121 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035335.D

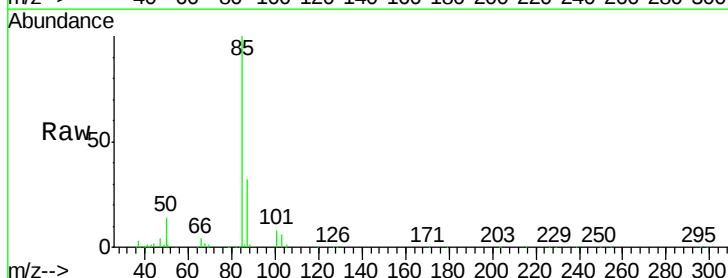
Acq: 5 Aug 2020 9:58

Tgt Ion: 85 Resp: 202409

Ion Ratio Lower Upper

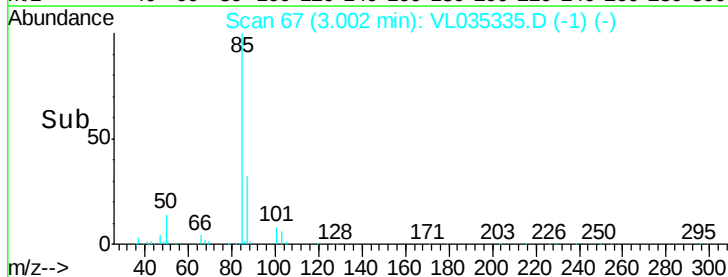
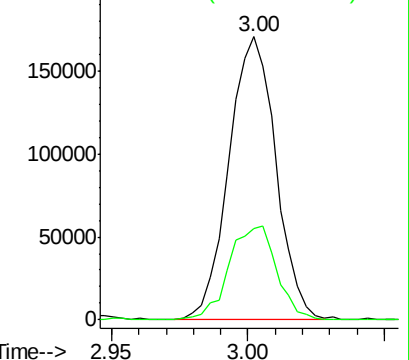
85 100

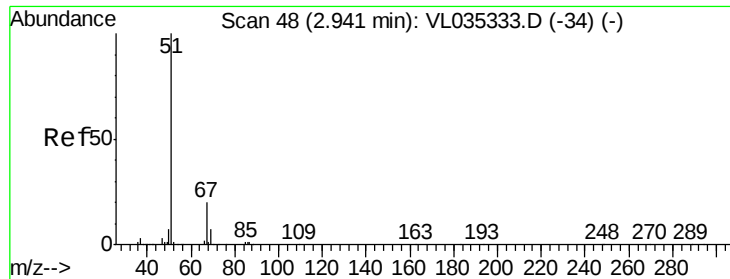
87 32.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.106 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 175323

Ion Ratio Lower Upper

51 100

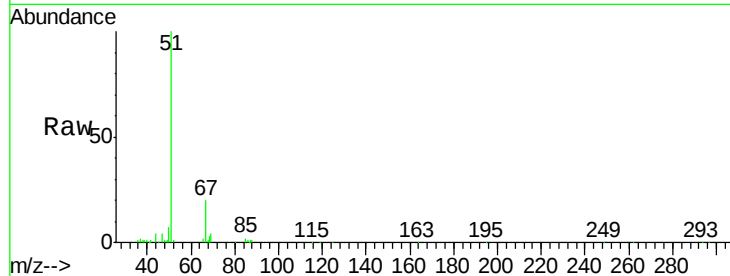
67 19.6 16.6 25.0

Manual Integrations

APPROVED

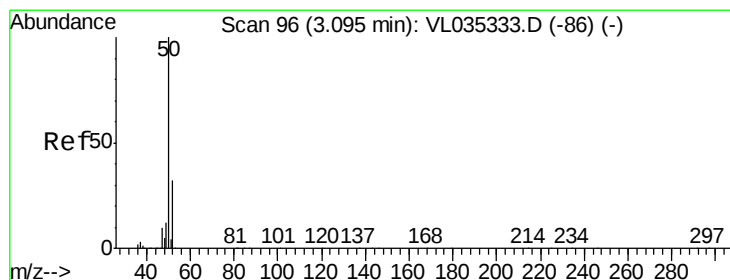
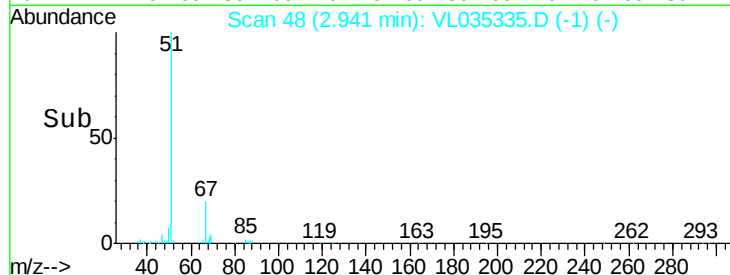
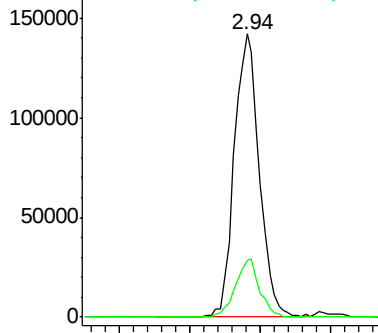
MMDadoda

8/6/2020 12:48:53 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.052 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035335.D

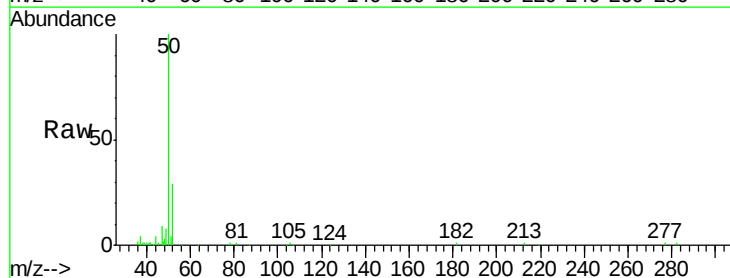
Acq: 5 Aug 2020 9:58

Tgt Ion: 50 Resp: 95265

Ion Ratio Lower Upper

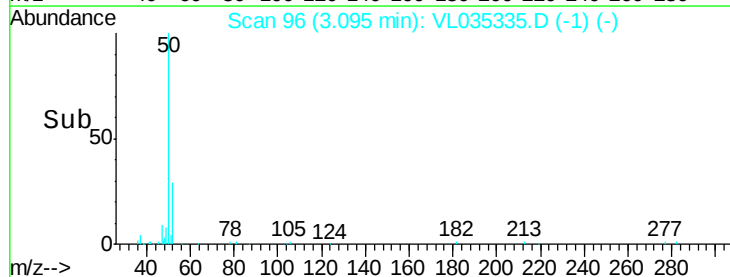
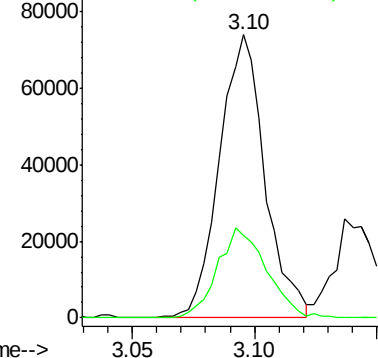
50 100

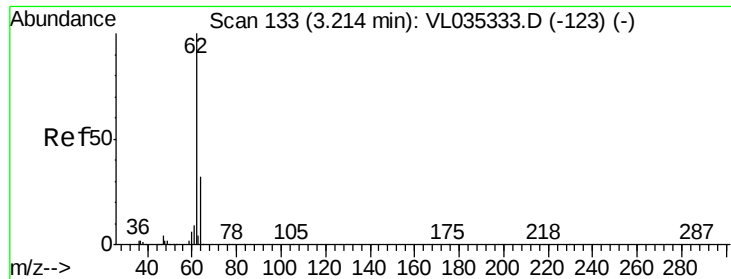
52 29.2 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.093 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 96402

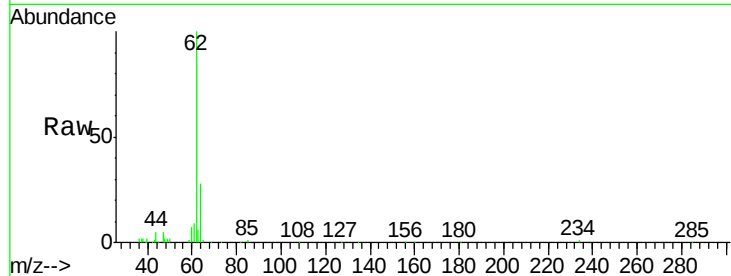
Ion Ratio Lower Upper

62 100

64 28.2 25.8 38.6

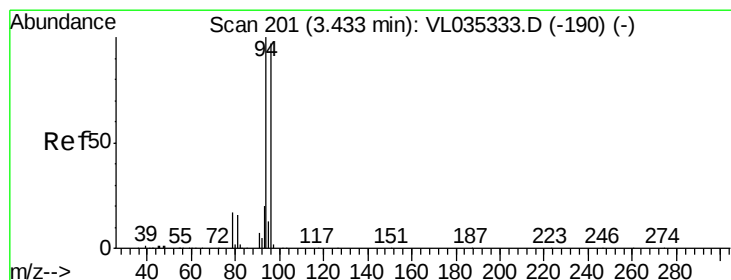
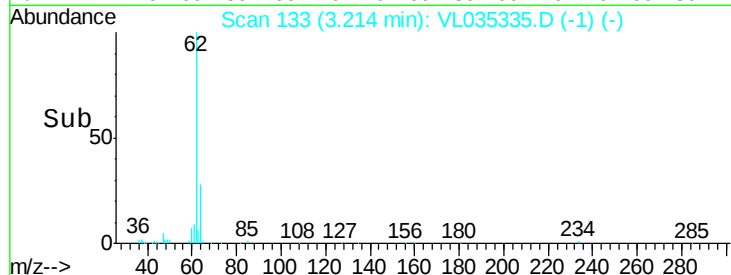
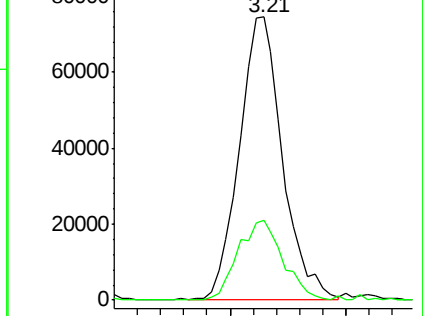
Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:53 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.056 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035335.D

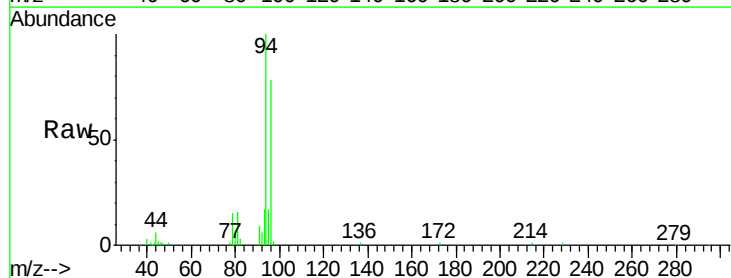
Acq: 5 Aug 2020 9:58

Tgt Ion: 94 Resp: 61227

Ion Ratio Lower Upper

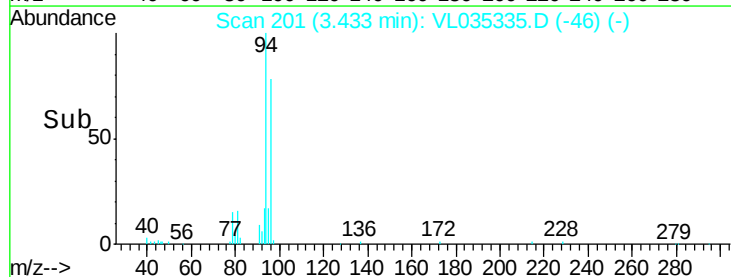
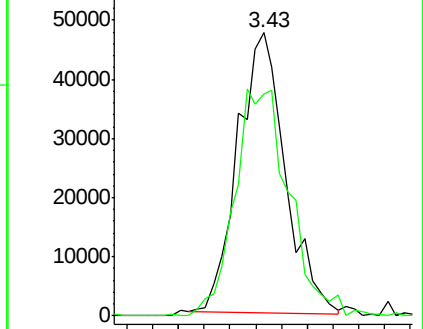
94 100

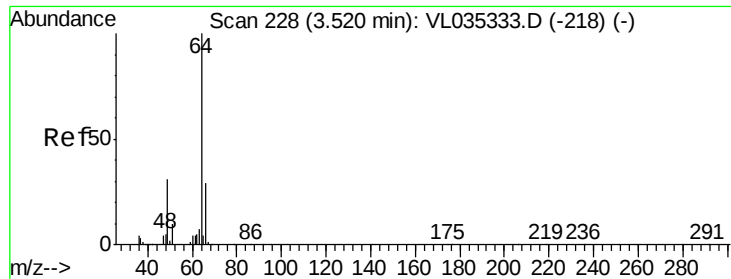
96 79.8 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.036 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 36311

Ion Ratio Lower Upper

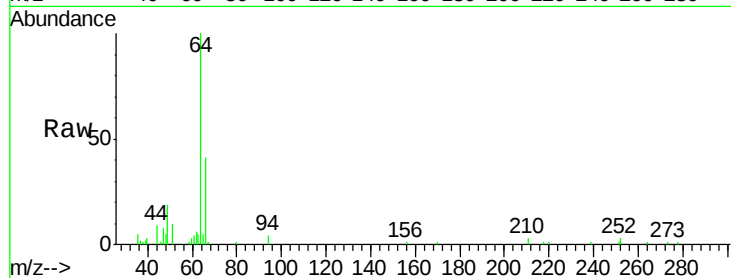
64 100

66 40.8 23.0 34.6#

Manual Integrations
APPROVED

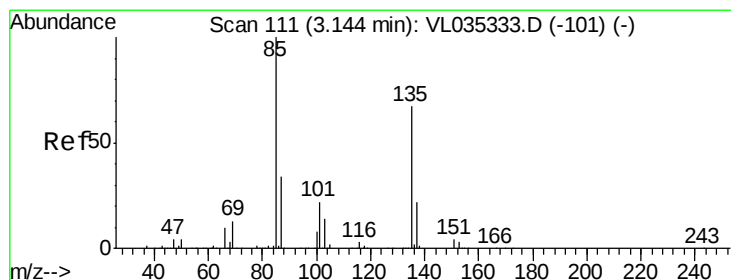
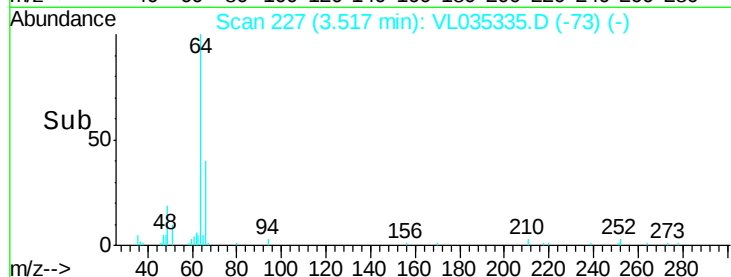
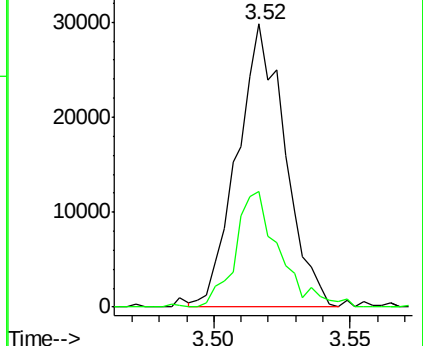
MMDadoda

8/6/2020 12:48:53 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.119 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035335.D

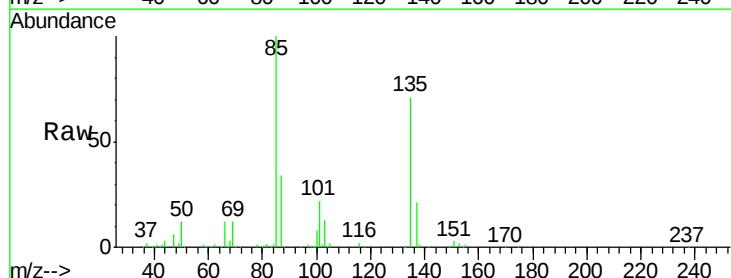
Acq: 5 Aug 2020 9:58

Tgt Ion: 85 Resp: 243597

Ion Ratio Lower Upper

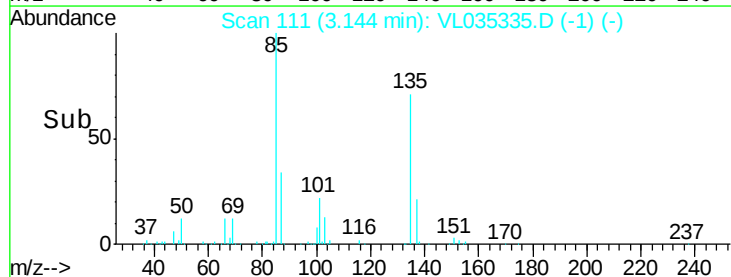
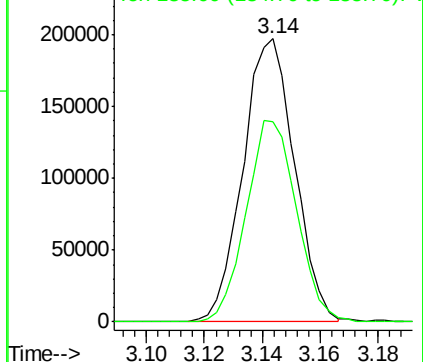
85 100

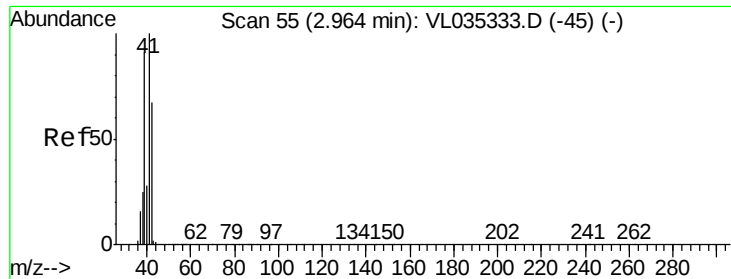
135 69.8 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.988 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 56605

Ion Ratio Lower Upper

41 100

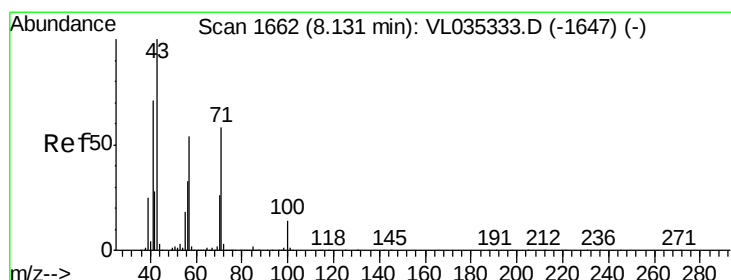
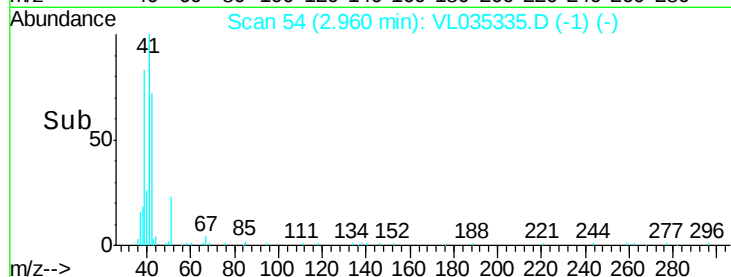
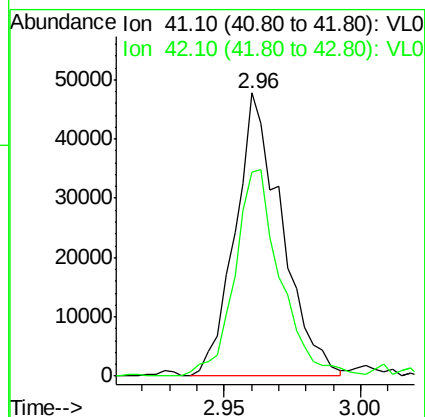
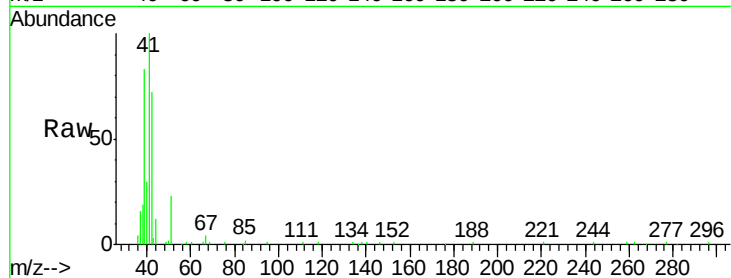
42 73.6 55.3 82.9

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:48:53 PM



#10

Heptane

Concen: 0.963 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL035335.D

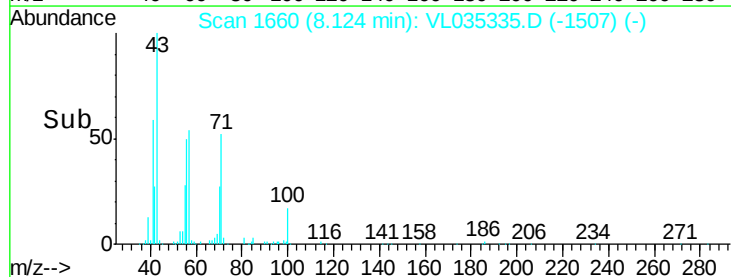
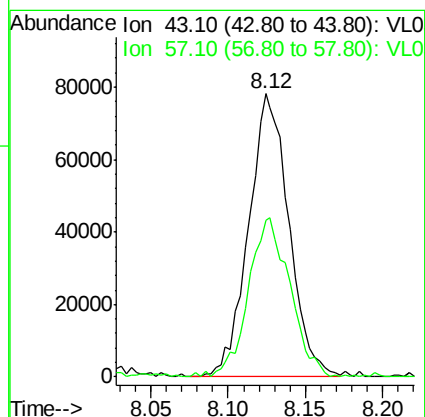
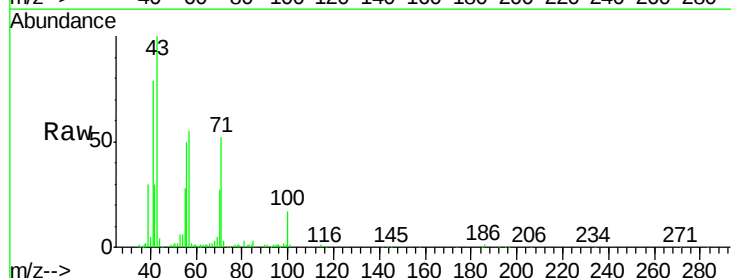
Acq: 5 Aug 2020 9:58

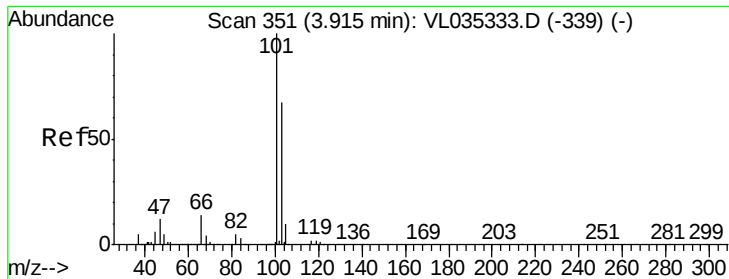
Tgt Ion: 43 Resp: 141568

Ion Ratio Lower Upper

43 100

57 56.9 43.0 64.6





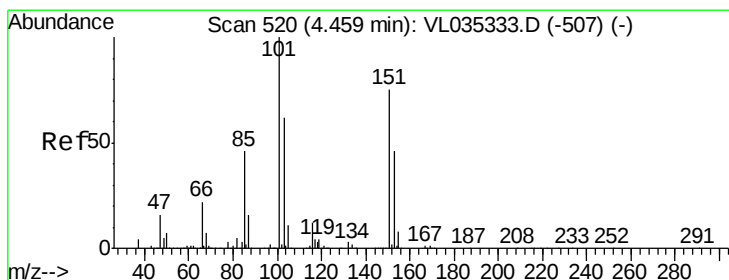
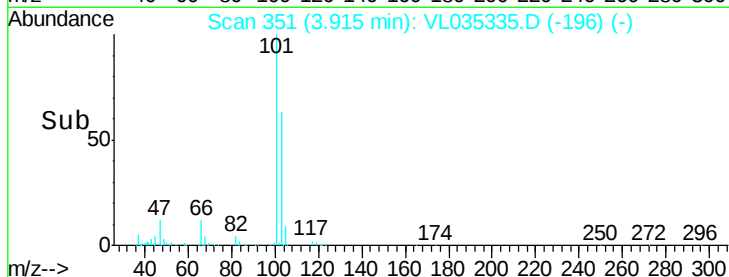
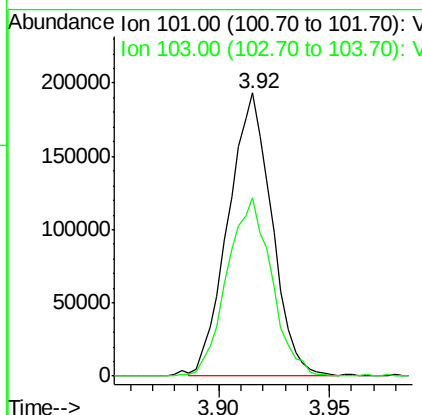
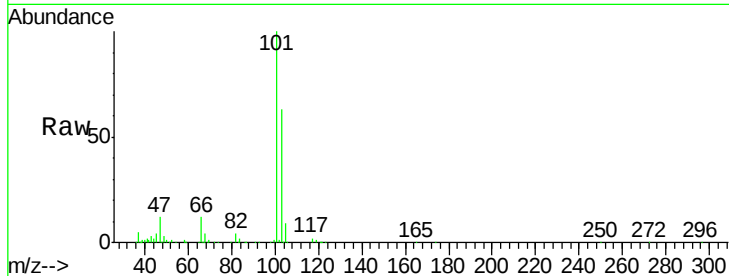
#11
 Trichlorofluoromethane
 Concen: 1.125 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
101	100	265388		
103	63.1	53.8	80.8	

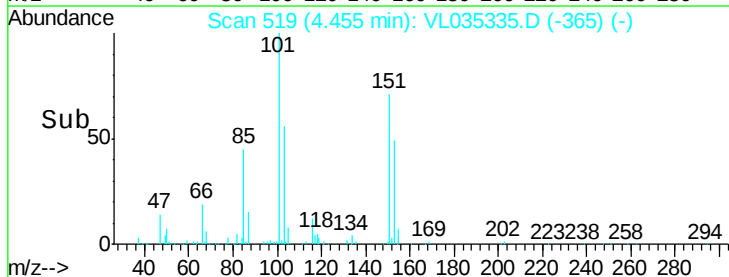
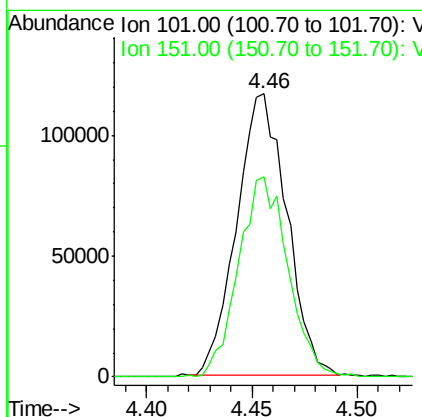
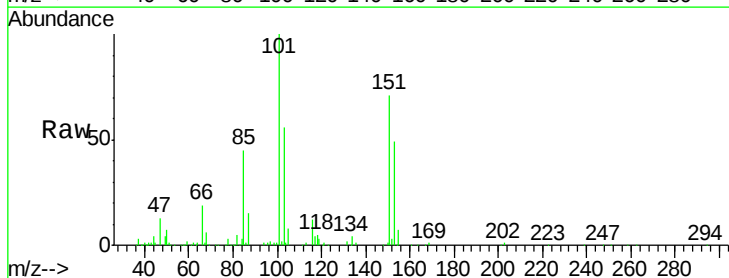
Manual Integrations
 APPROVED

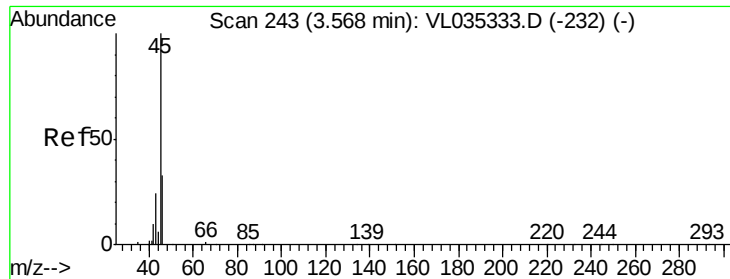
MMDadoda
 8/6/2020 12:48:53 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.166 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	191600		
151	70.4	59.5	89.3	





#13

Ethanol

Concen: 1.110 ppbv m

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 23488

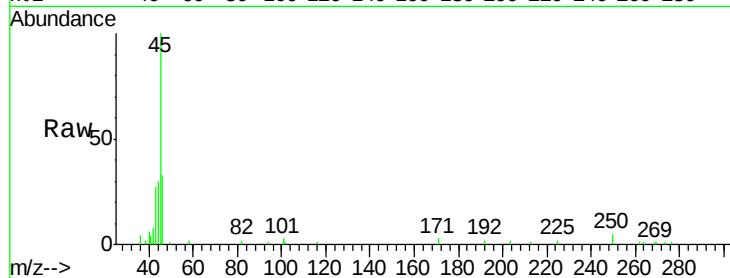
Ion Ratio Lower Upper

45 100

46 51.6 15.2 61.0

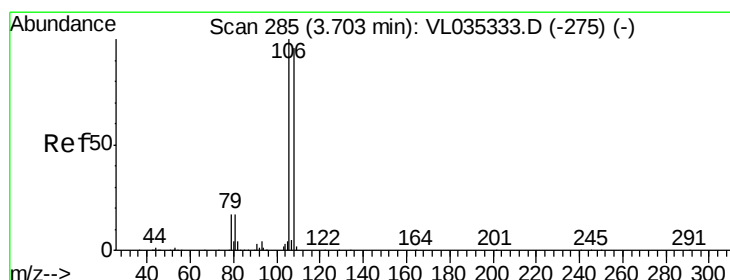
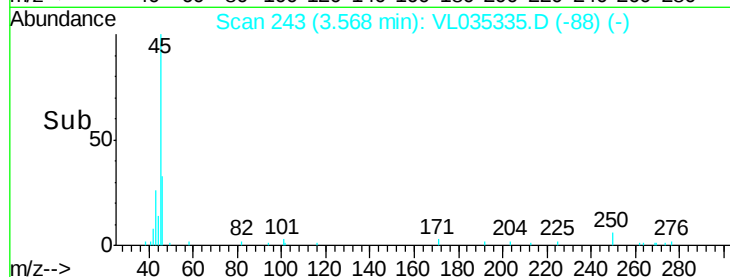
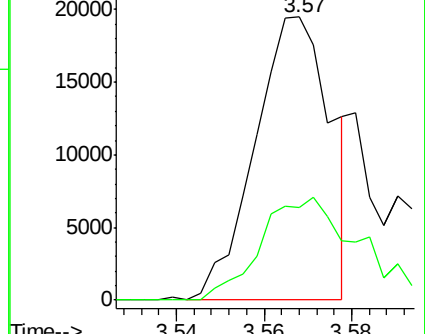
Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:53 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 1.079 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

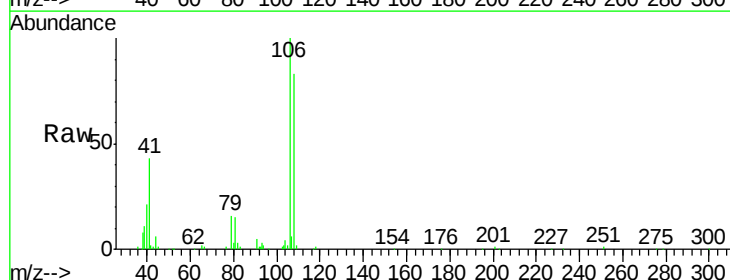
Tgt Ion: 108 Resp: 73054

Ion Ratio Lower Upper

108 100

106 103.6 85.0 127.6

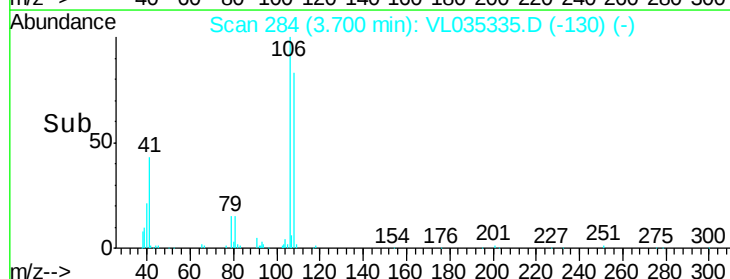
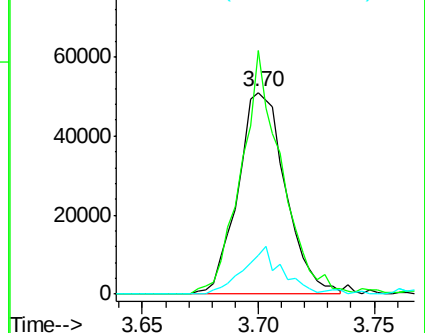
79 20.0 15.0 22.6

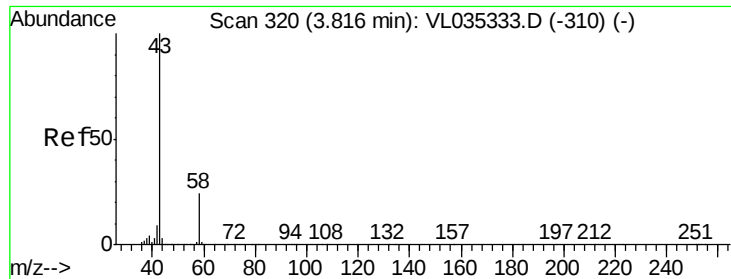


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





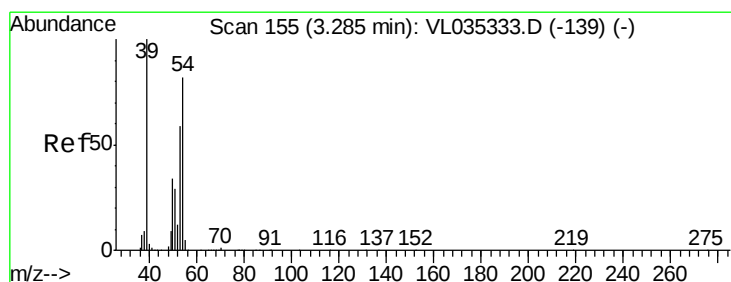
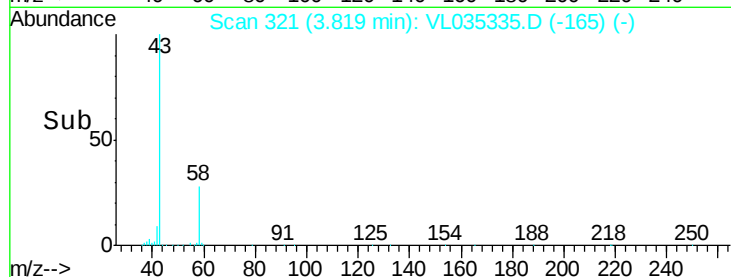
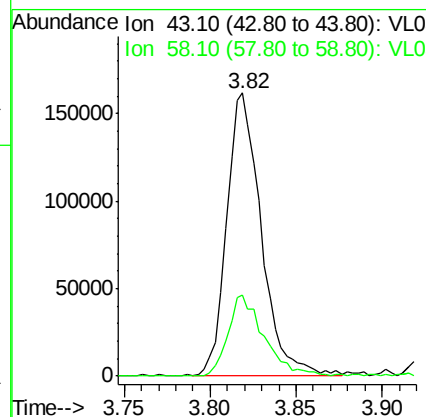
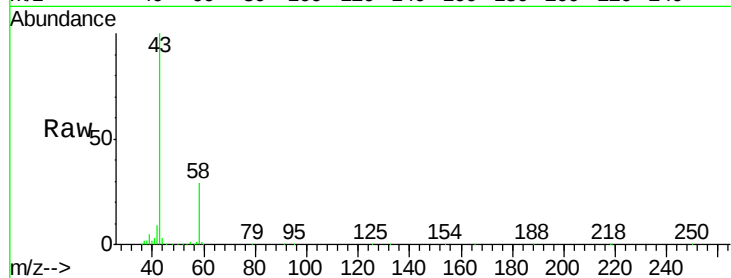
#15
Acetone
Concen: 1.134 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	226200
Ion Ratio	100	Lower	Upper
58	30.1	21.0	31.4

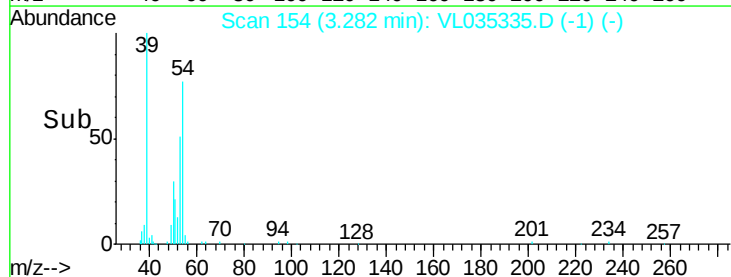
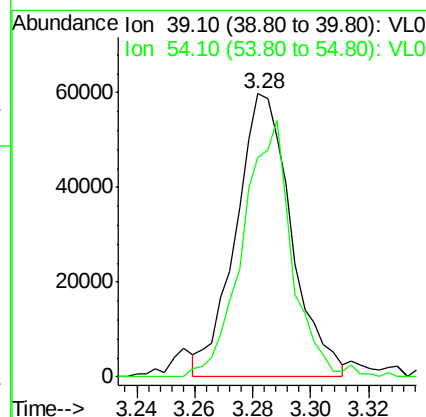
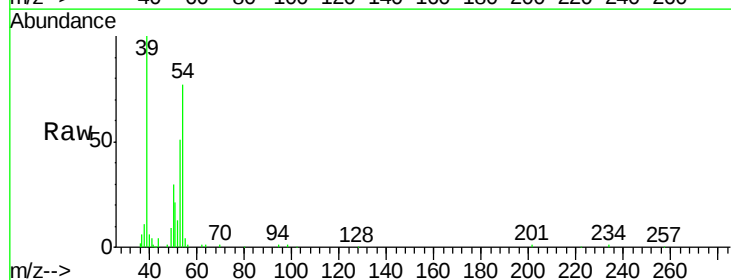
Manual Integrations
APPROVED

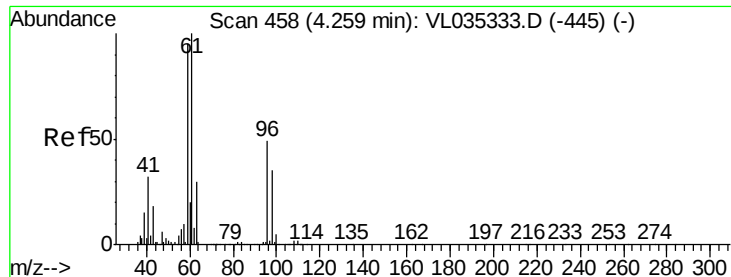
MMDadoda
8/6/2020 12:48:53 PM



#16
1,3-Butadiene
Concen: 1.064 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	39	Resp	79184
Ion Ratio	100	Lower	Upper
54	80.8	64.4	96.6





#17

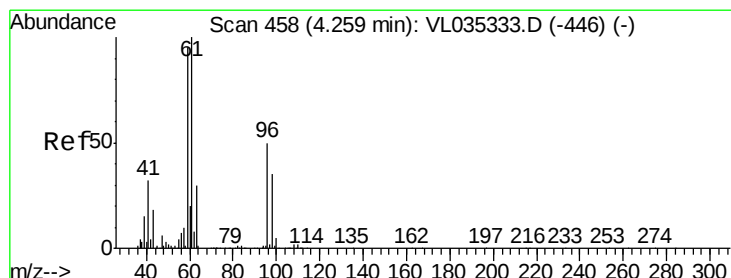
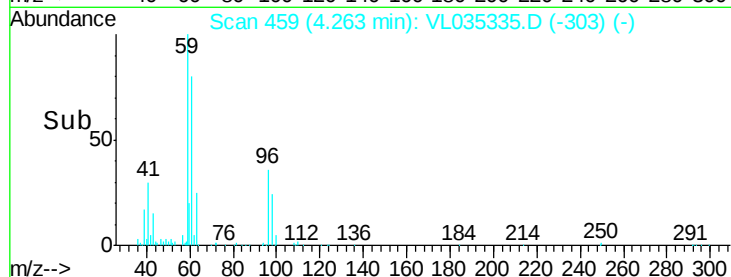
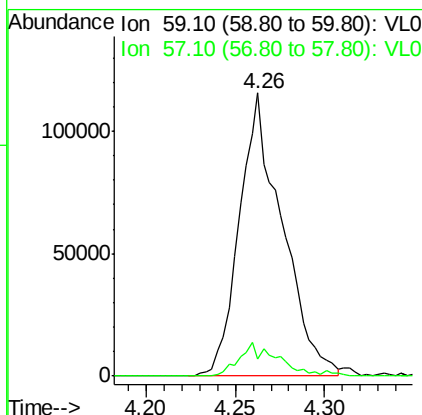
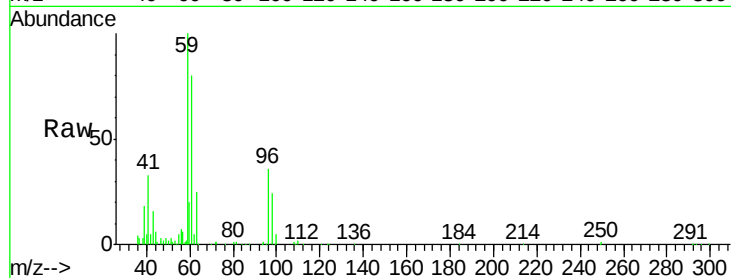
tert-Butyl alcohol
Concen: 1.061 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

Manual Integrations
APPROVED

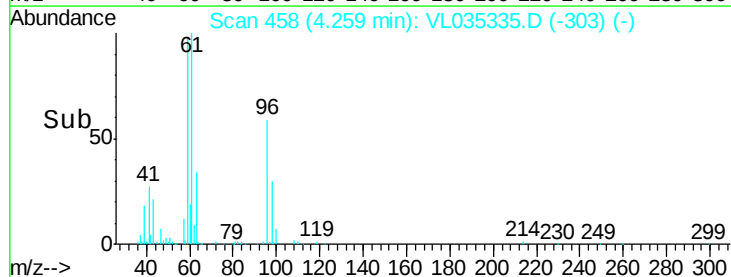
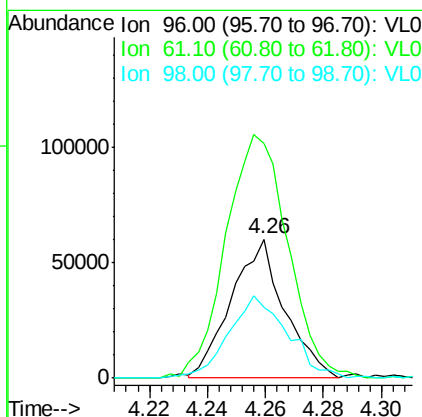
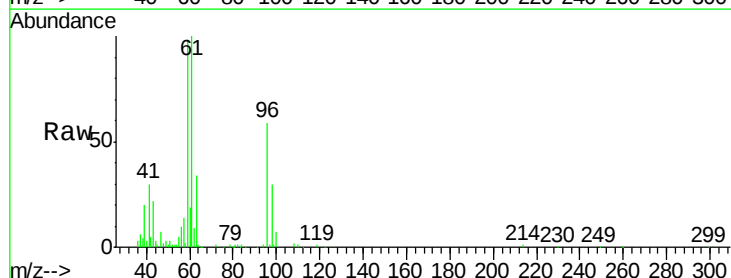
MMDadoda
8/6/2020 12:48:53 PM

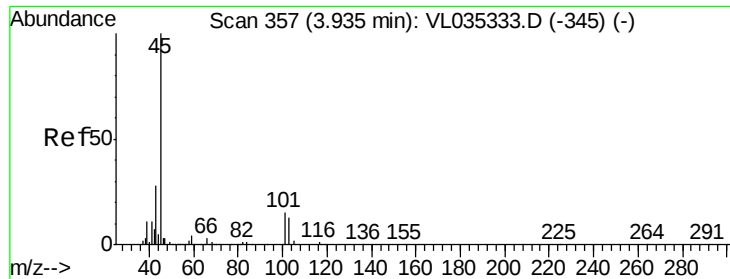


#18

1,1-Dichloroethene
Concen: 1.042 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	161.4	242.2
98	48.3	56.0	84.0#





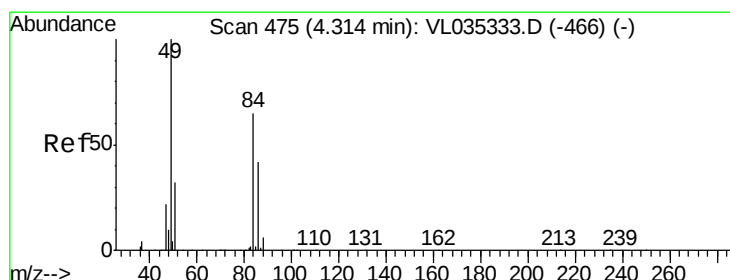
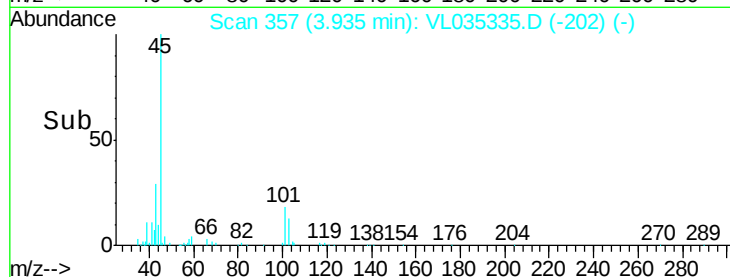
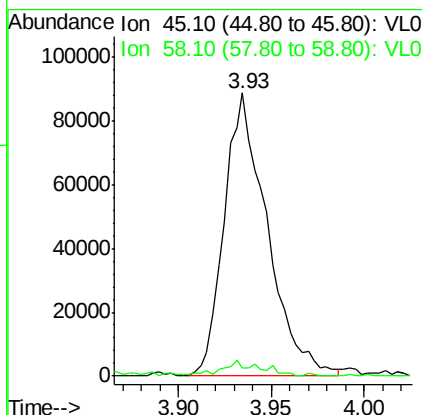
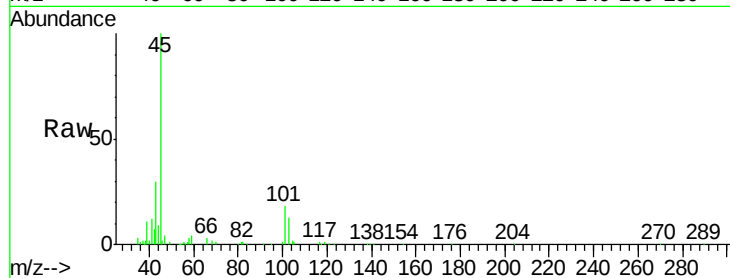
#19
Isopropyl Alcohol
Concen: 1.136 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
58	5.0	1.9	2.9#

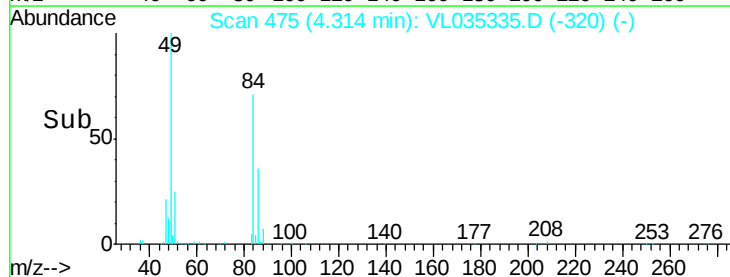
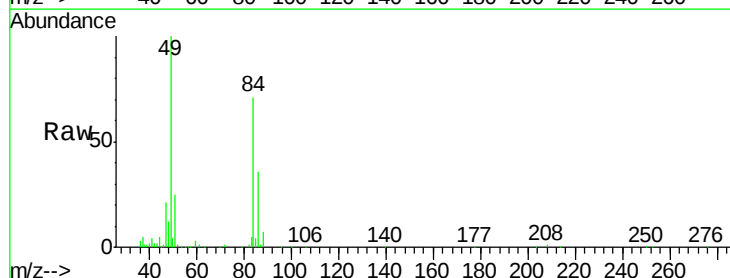
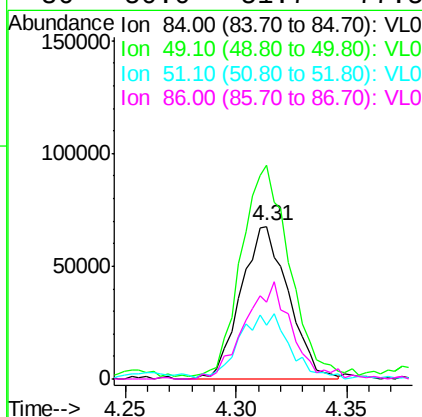
Manual Integrations
APPROVED

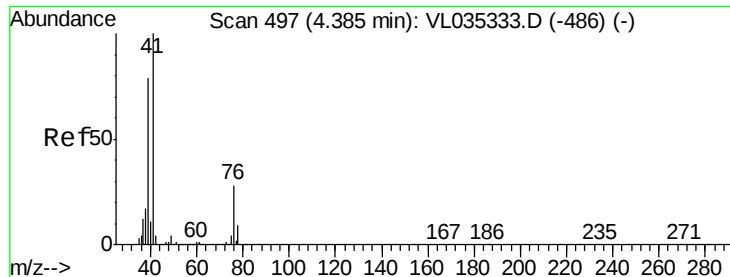
MMDadoda
8/6/2020 12:48:53 PM



#20
Methylene Chloride
Concen: 1.108 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.4	122.8	184.2
51	33.0	40.1	60.1#
86	50.0	51.7	77.5#





#21

Allvl Chloride

Concen: 1.018 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

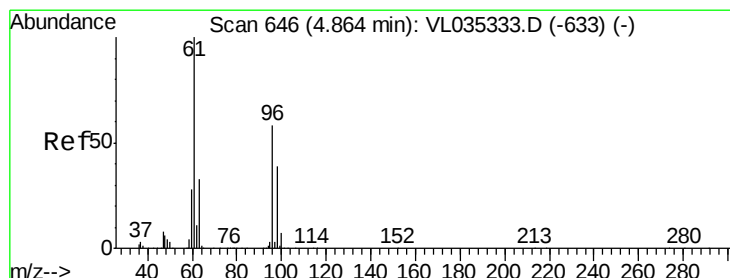
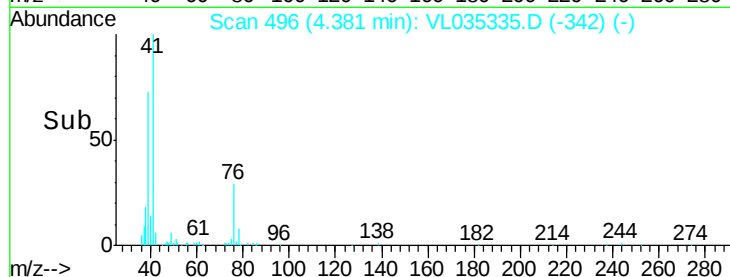
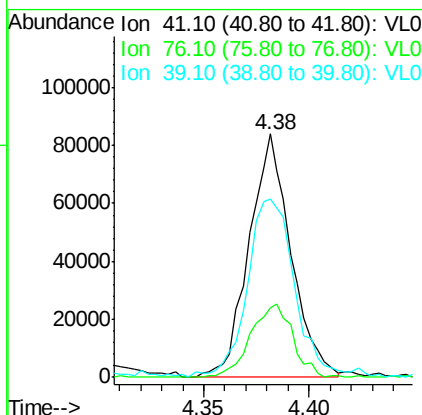
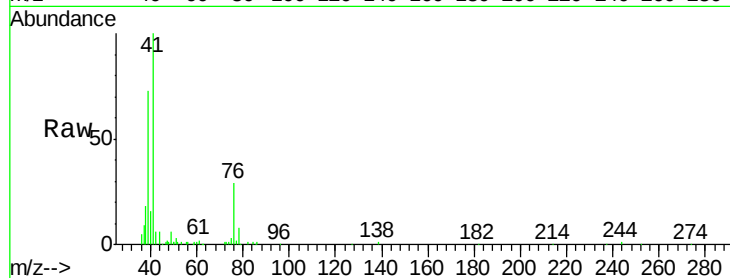
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	115008
Ion Ratio		Lower	Upper
41	100		
76	30.8	23.8	35.6
39	84.5	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:53 PM



#22

trans-1,2-Dichloroethene

Concen: 1.065 ppbv

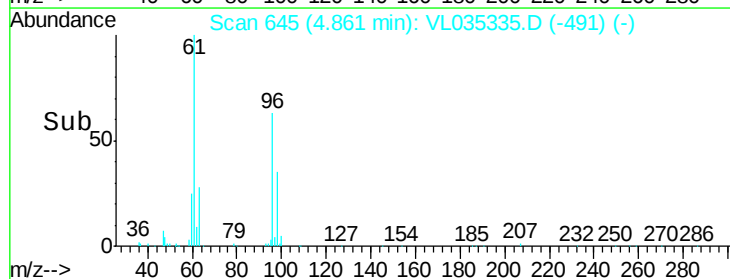
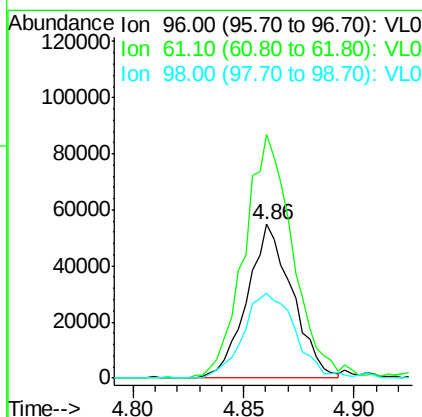
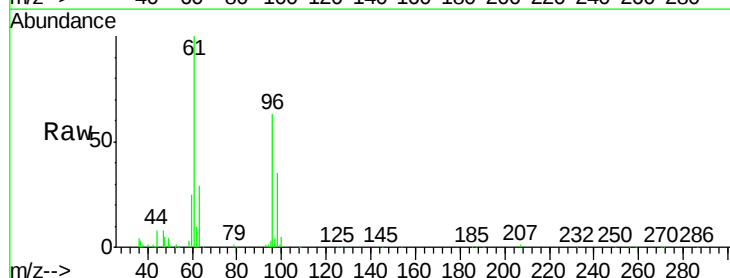
RT: 4.86 min Scan# 645

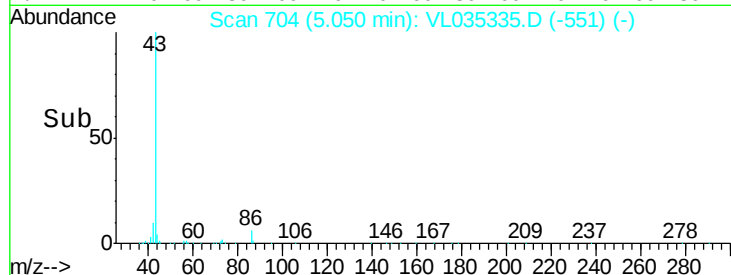
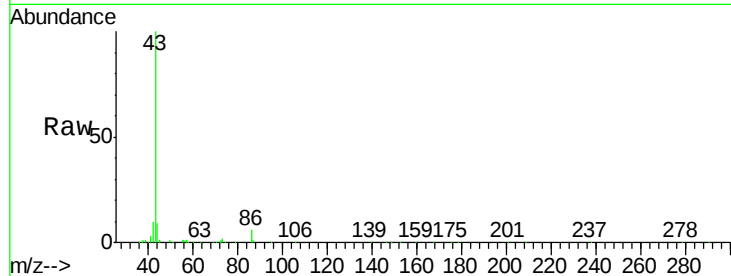
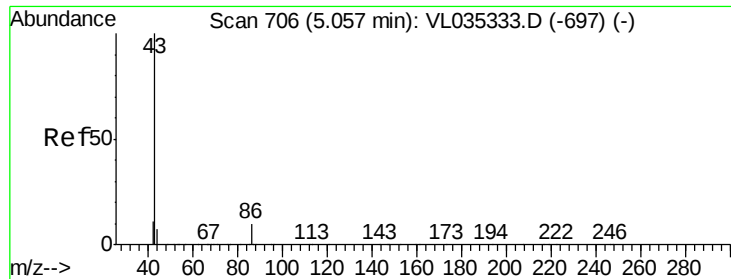
Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Tgt Ion:	96	Resp:	78195
Ion Ratio		Lower	Upper
96	100		
61	158.6	138.5	207.7
98	55.0	54.3	81.5





#23

Vinyl Acetate

Concen: 0.924 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Tot Ion	43	Resp	182698
Ion Ratio	Lower	Upper	
43	100		
86	6.0	6.9	10.3#
42	9.3	8.8	13.2
44	7.6	5.0	7.6#

Instrument :

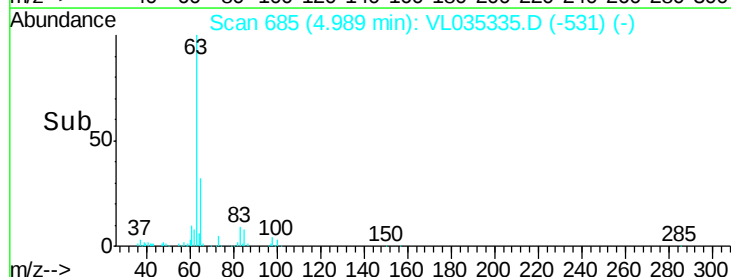
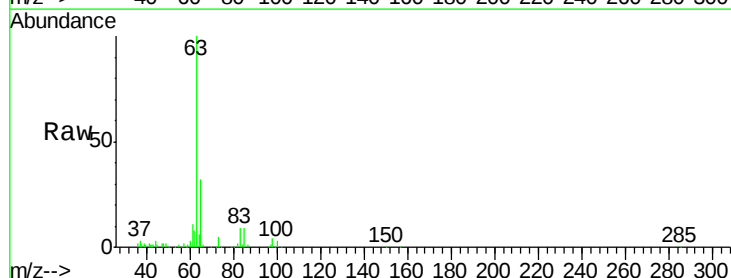
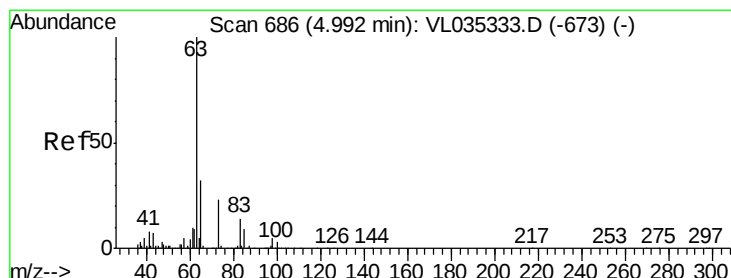
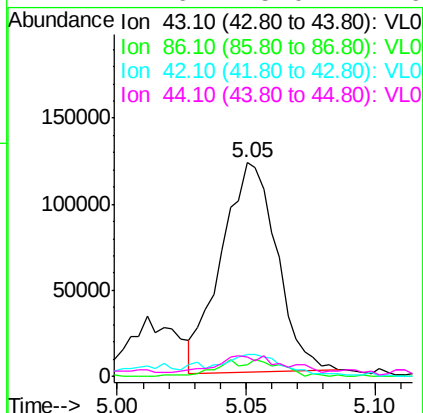
MSVOA_L

ClientSampleId :

VSTDIC001

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:53 PM



#24

1,1-Dichloroethane

Concen: 1.046 ppbv

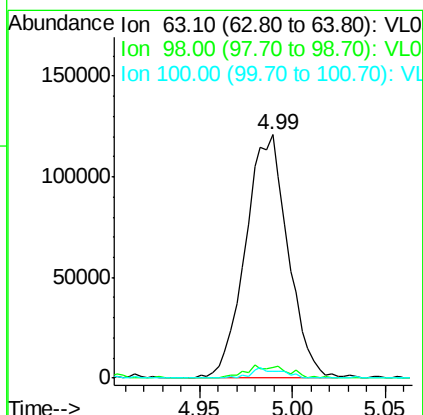
RT: 4.99 min Scan# 685

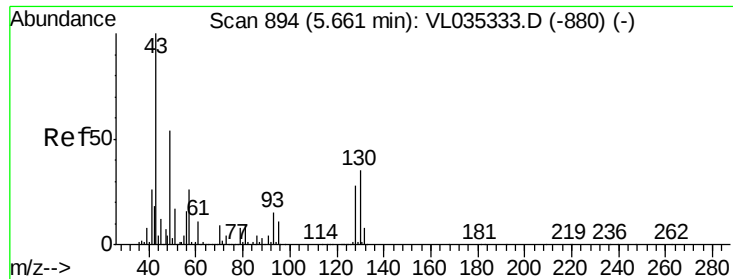
Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Tgt Ion	63	Resp	192530
Ion Ratio	Lower	Upper	
63	100		
98	4.9	2.5	7.5
100	2.9	1.4	4.2





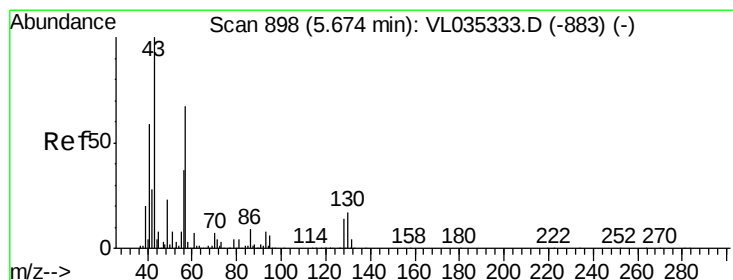
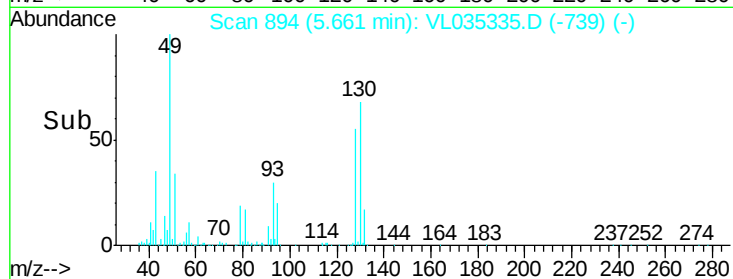
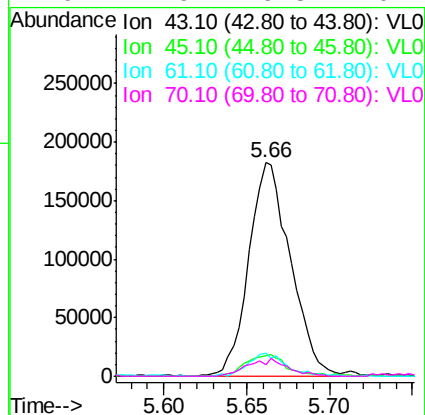
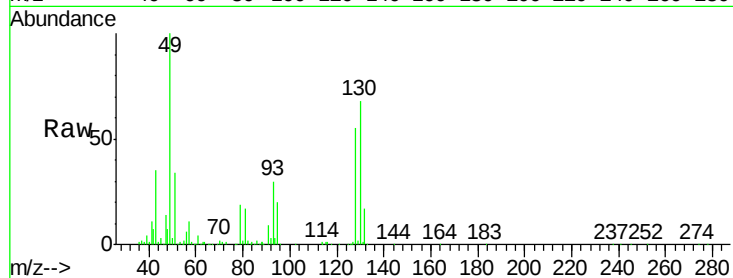
#25
Ethyl Acetate
Concen: 1.056 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.3	8.1	12.1
70	7.9	6.5	9.7

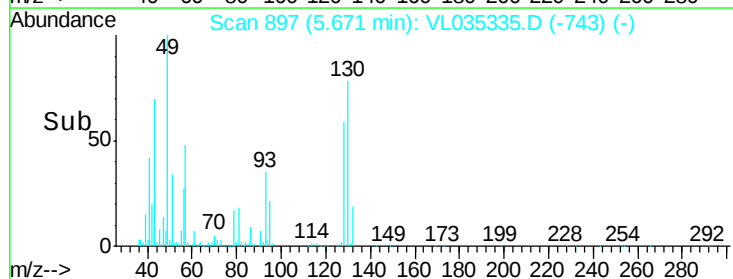
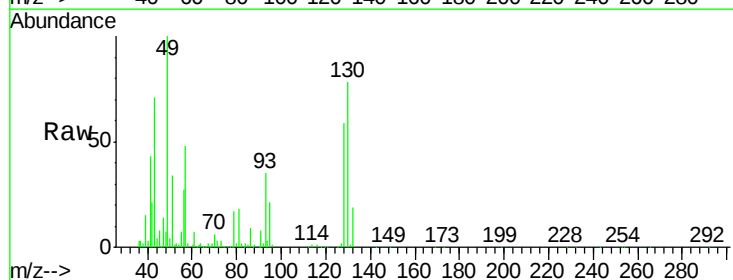
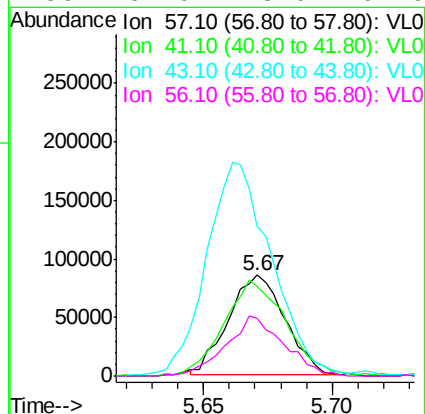
Manual Integrations
APPROVED

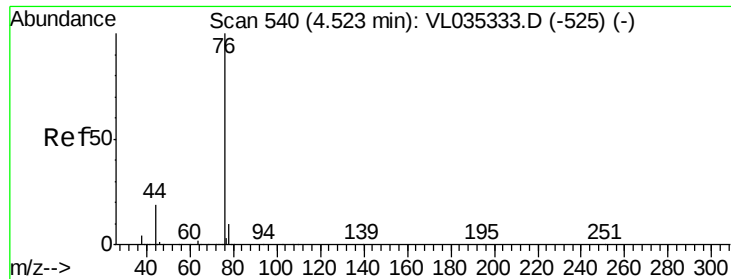
MMDadoda
8/6/2020 12:48:53 PM



#26
Hexane
Concen: 0.956 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
57	100		
41	109.5	75.2	112.8
43	249.0	180.6	270.8
56	62.0	43.0	64.6





#27

Carbon Disulfide

Concen: 1.057 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

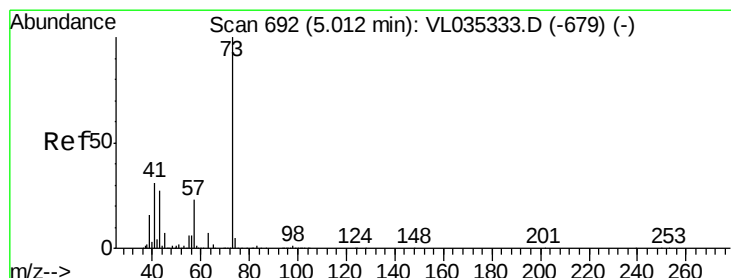
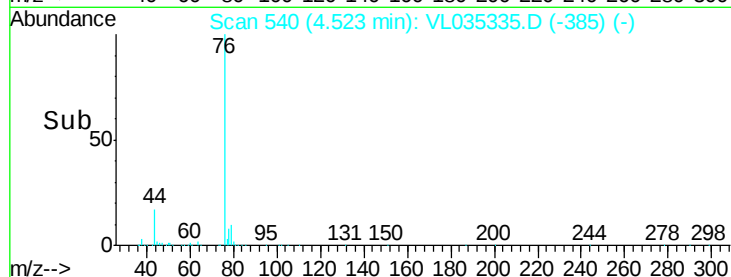
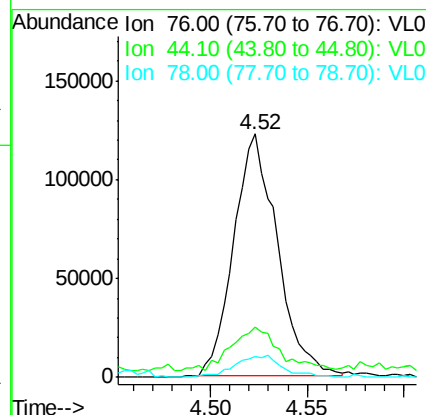
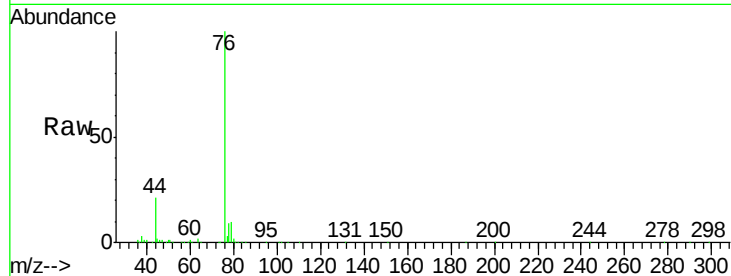
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	192023
Ion	Ratio	Lower	Upper
76	100		
44	21.4	15.4	23.2
78	10.2	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:53 PM



#28

Methyl tert-Butyl Ether

Concen: 0.930 ppbv

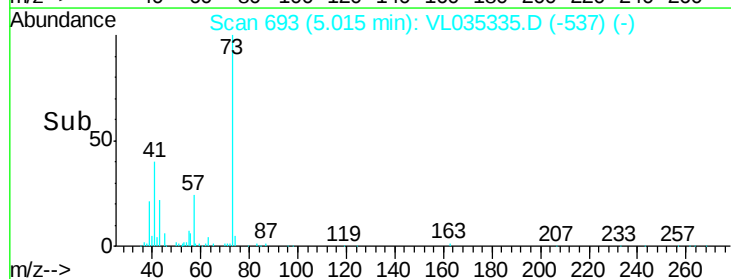
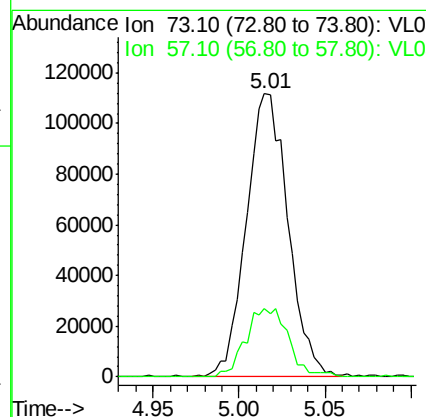
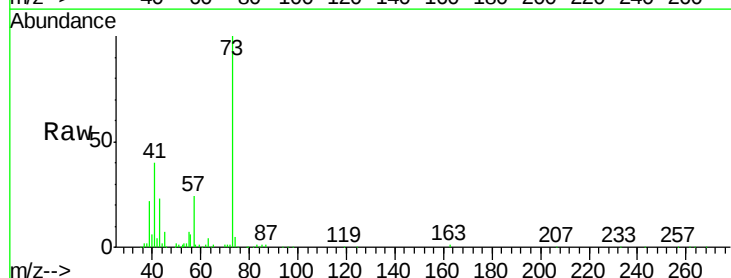
RT: 5.01 min Scan# 693

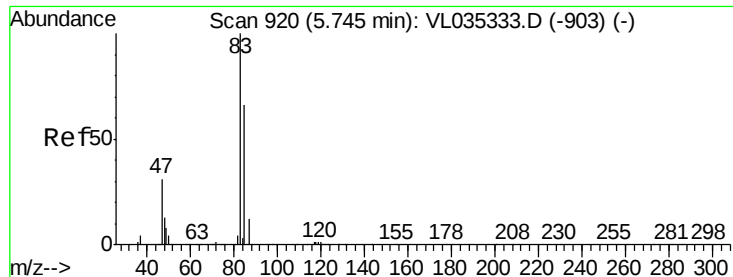
Delta R.T. 0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Tgt Ion:	73	Resp:	188674
Ion	Ratio	Lower	Upper
73	100		
57	24.9	17.9	26.9





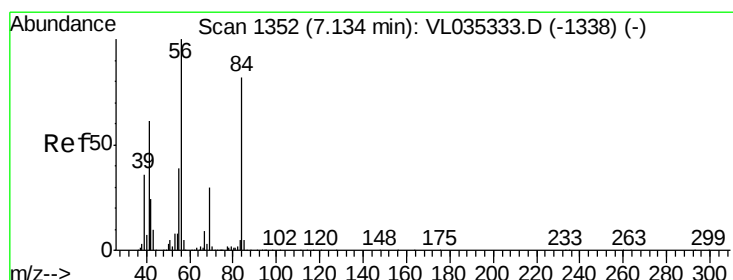
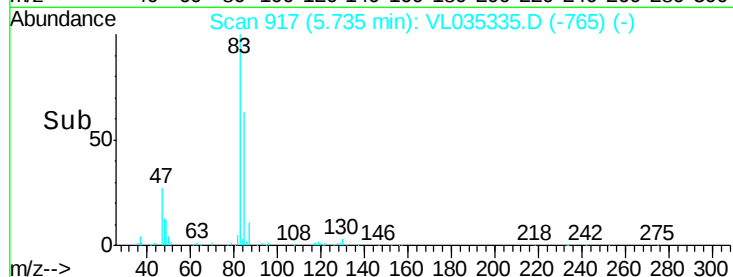
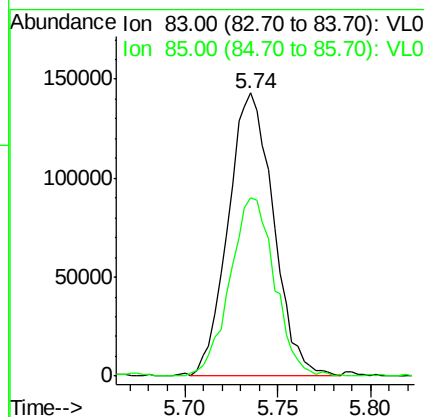
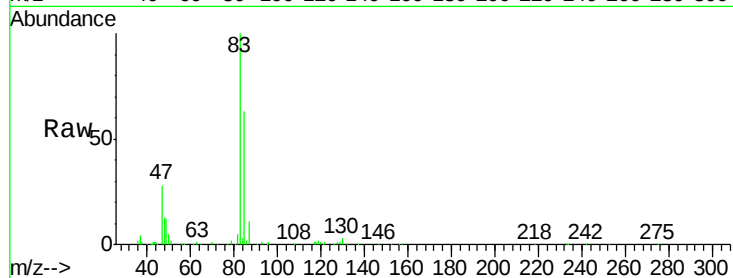
#29
Chloroform
Concen: 1.064 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.9	79.3

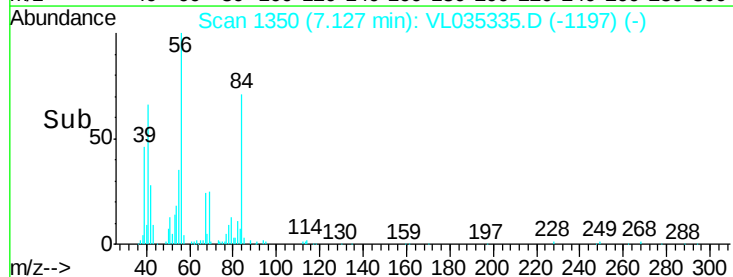
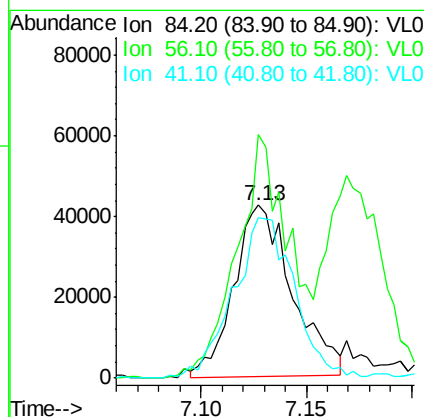
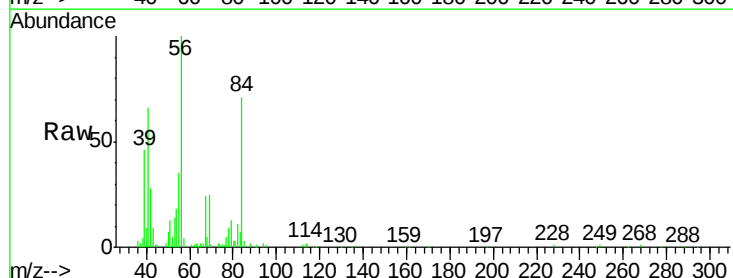
Manual Integrations
APPROVED

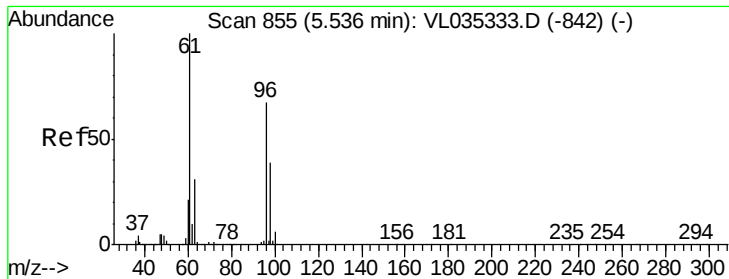
MMDadoda
8/6/2020 12:48:53 PM



#30
Cyclohexane
Concen: 0.809 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
84	100		
56	122.2	104.7	157.1
41	97.8	64.2	96.2#





#31

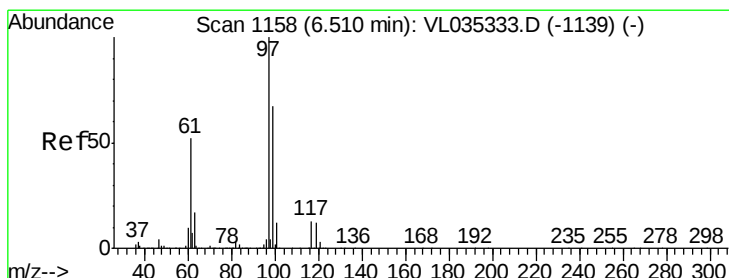
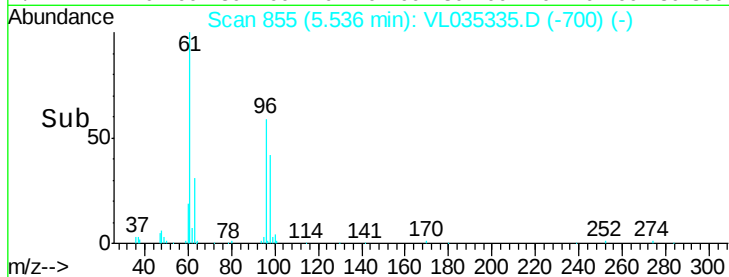
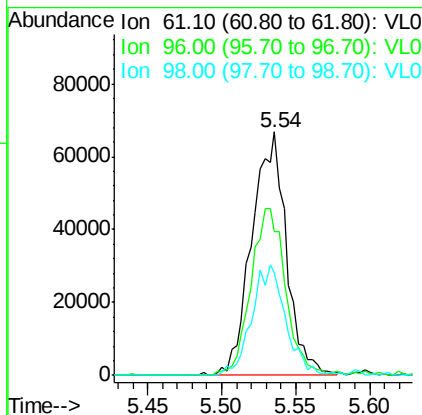
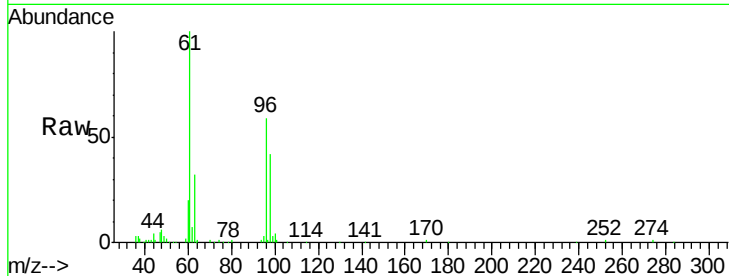
cis-1,2-Dichloroethene
 Concen: 0.872 ppbv m
 RT: 5.54 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	59.2		53.6	80.4
98	42.3		31.0	46.4

Manual Integrations
 APPROVED

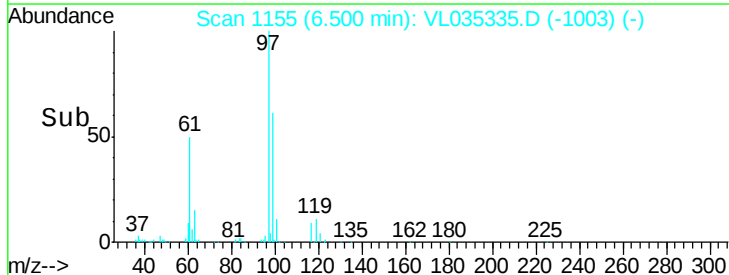
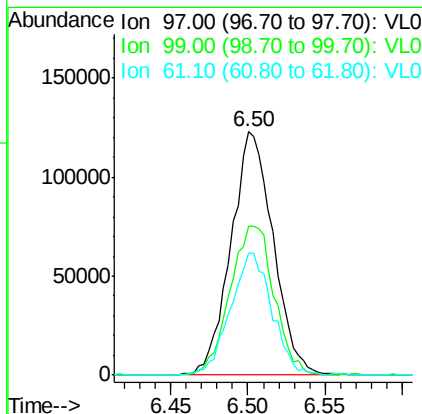
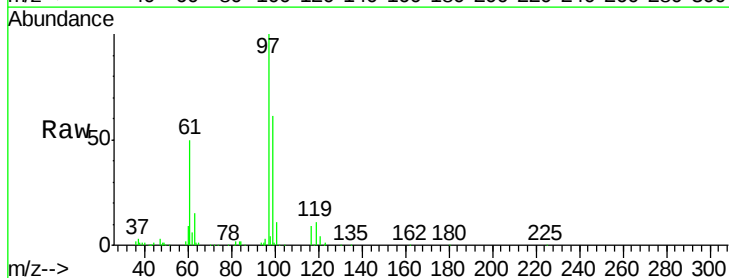
MMDadoda
 8/6/2020 12:48:53 PM

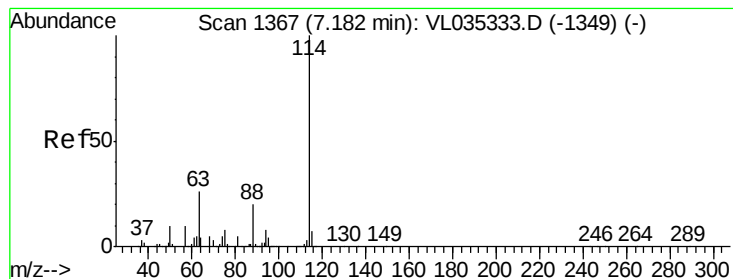


#32

1,1,1-Trichloroethane
 Concen: 1.050 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.6		52.2	78.4
61	49.6		40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 3569446

Ion Ratio Lower Upper

114 100

63 26.2 21.3 31.9

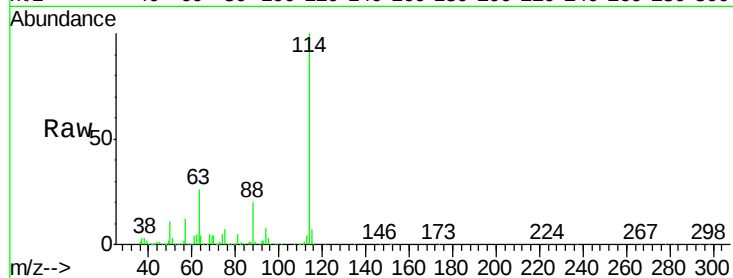
88 18.9 15.3 22.9

Manual Integrations

APPROVED

MMDadoda

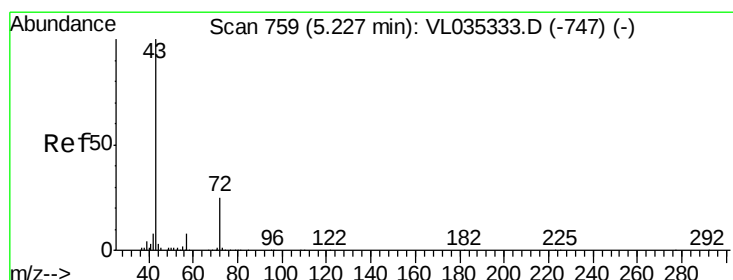
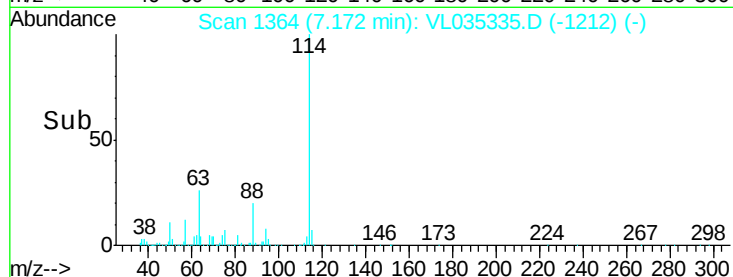
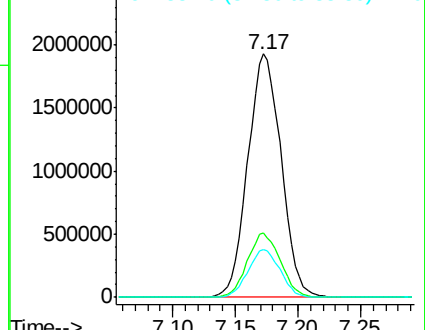
8/6/2020 12:48:53 PM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.948 ppbv

RT: 5.23 min Scan# 760

Delta R.T. 0.00 min

Lab File: VL035335.D

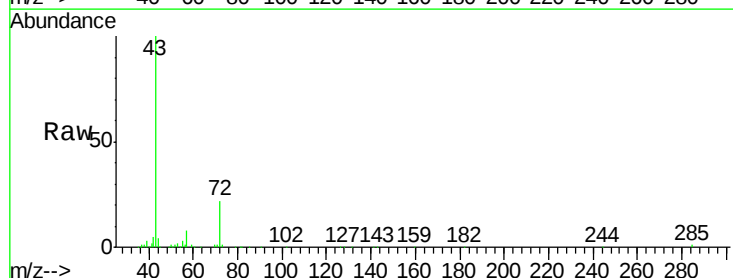
Acq: 5 Aug 2020 9:58

Tgt Ion: 43 Resp: 178154

Ion Ratio Lower Upper

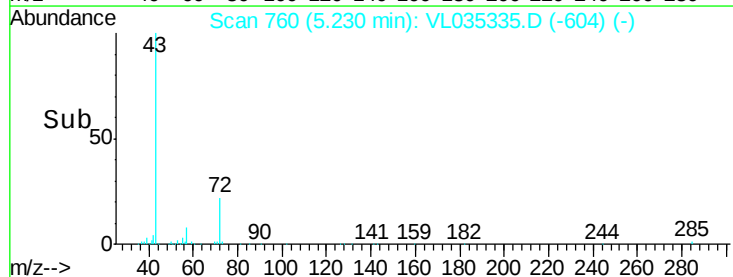
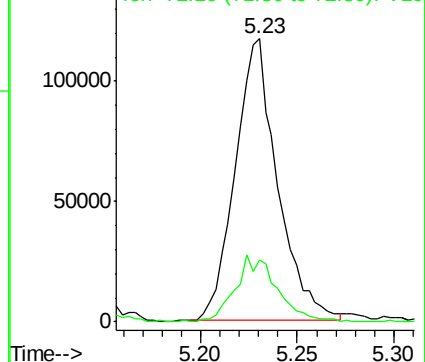
43 100

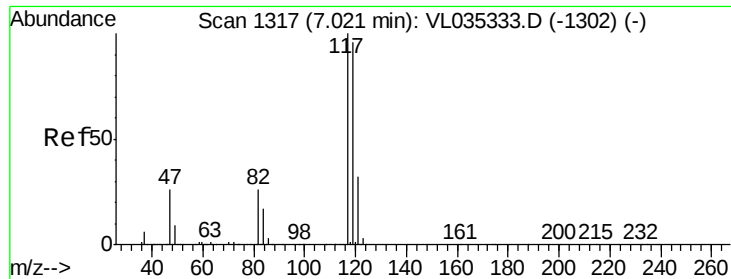
72 23.5 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





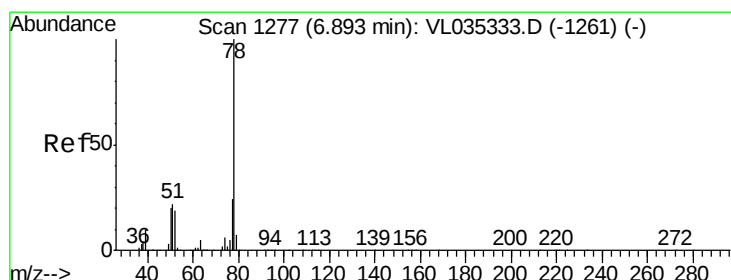
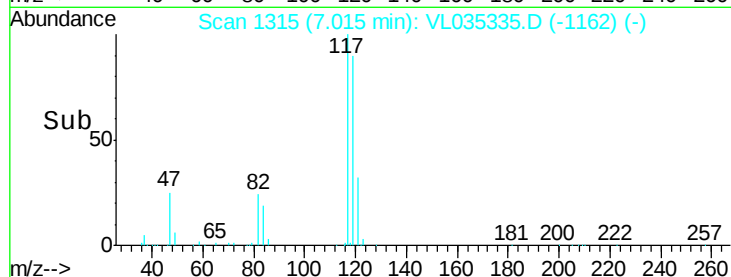
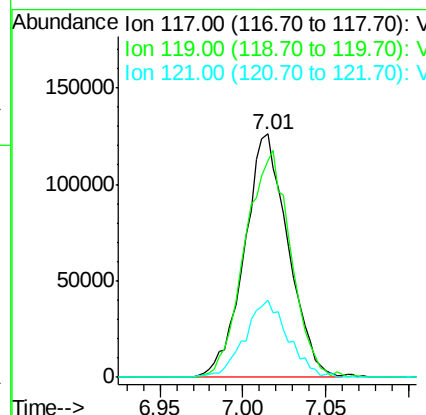
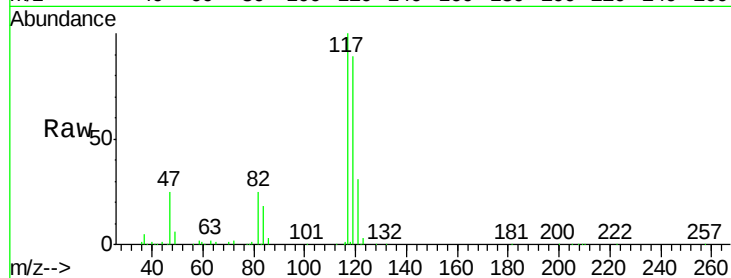
#35
Carbon Tetrachloride
Concen: 1.002 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.0	77.0	115.6
121	31.2	26.0	39.0

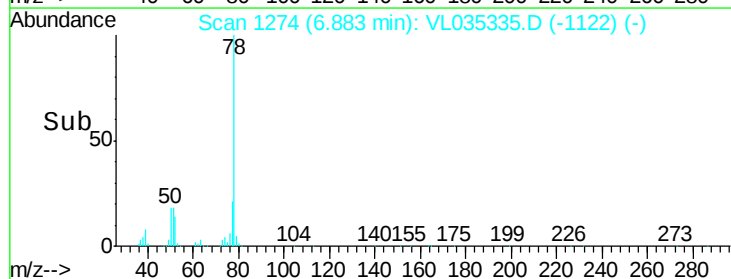
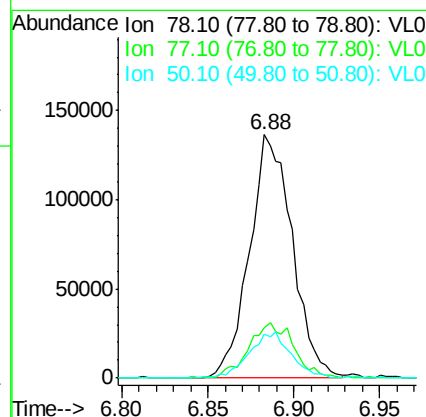
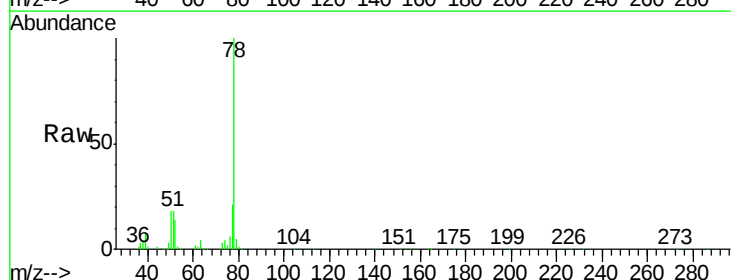
Manual Integrations
APPROVED

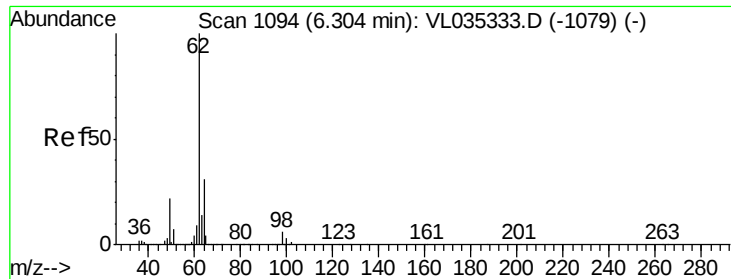
MMDadoda
8/6/2020 12:48:53 PM



#36
Benzene
Concen: 0.899 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.2	19.3	28.9
50	17.6	16.3	24.5





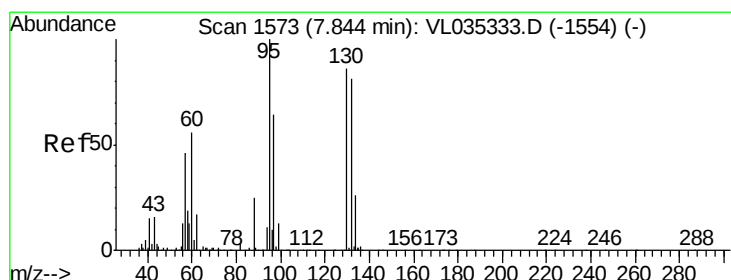
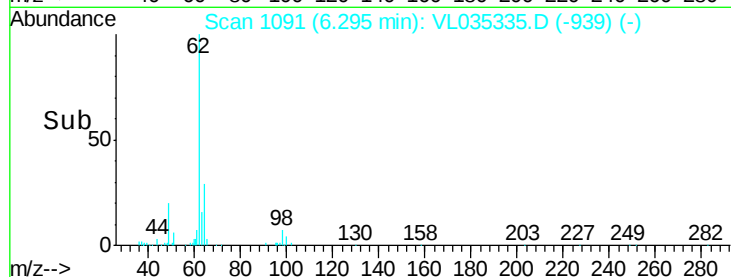
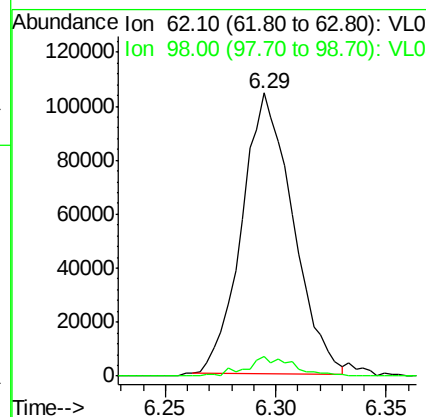
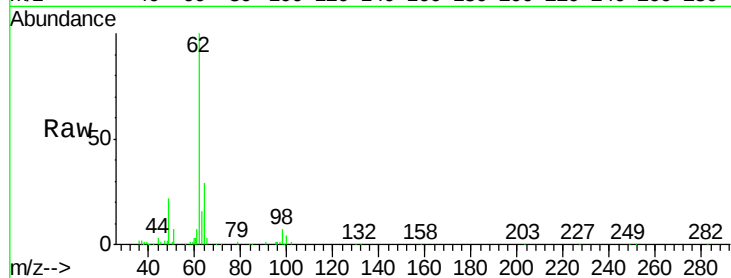
#37
 1,2-Dichloroethane
 Concen: 0.947 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	167846		
98	6.6	4.6	7.0	

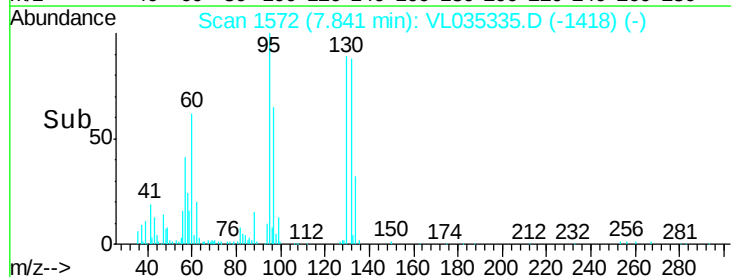
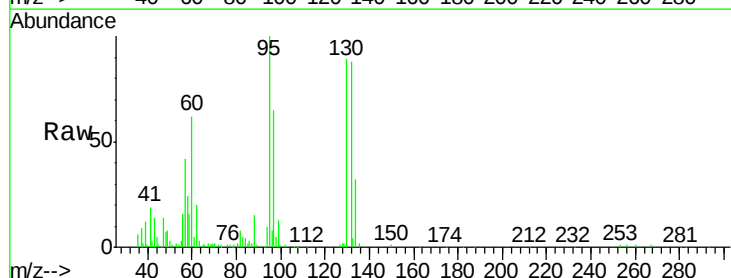
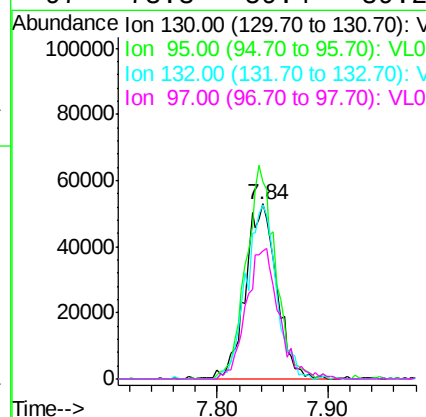
Manual Integrations
 APPROVED

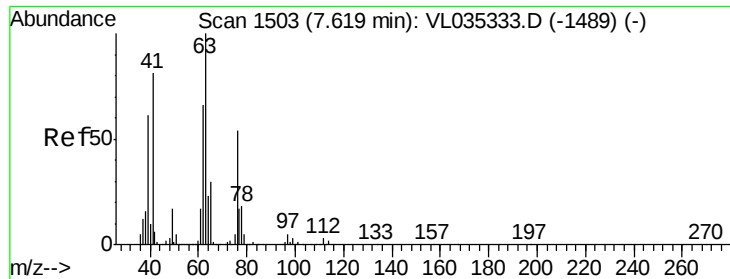
MMDadoda
 8/6/2020 12:48:53 PM



#38
 Trichloroethene
 Concen: 1.090 ppbv m
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	104837		
95	112.8	93.4	140.2	
132	99.6	76.1	114.1	
97	73.3	59.4	89.2	





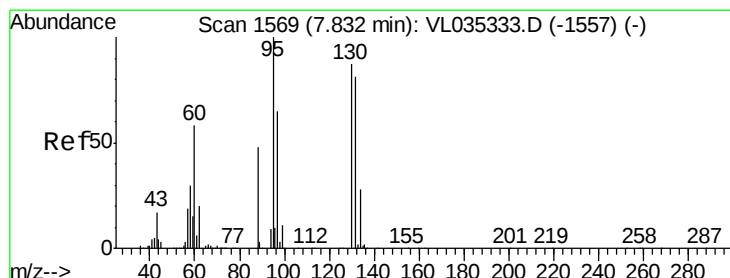
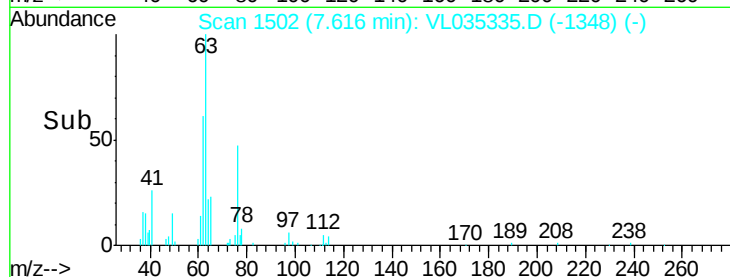
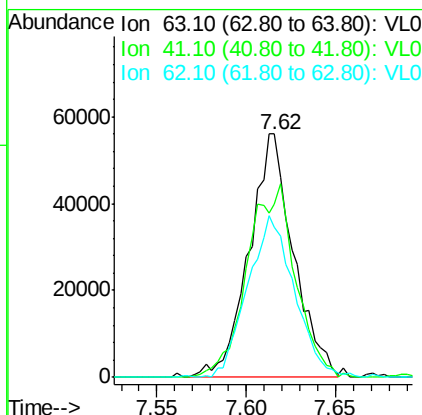
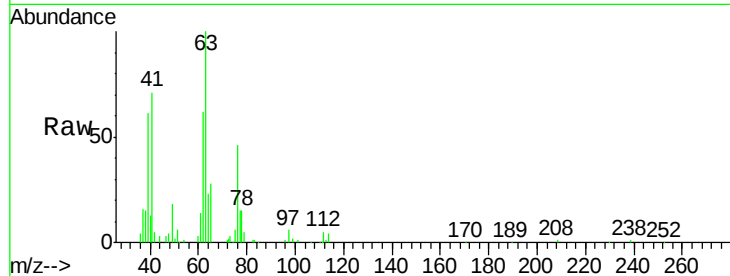
#39
 1,2-Dichloropropane
 Concen: 0.946 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	63	Resp:	97545
Ion	Ratio	Lower	Upper
63	100		
41	71.2	64.4	96.6
62	61.2	52.6	78.8

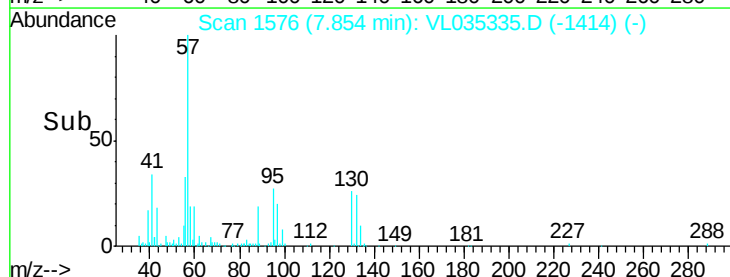
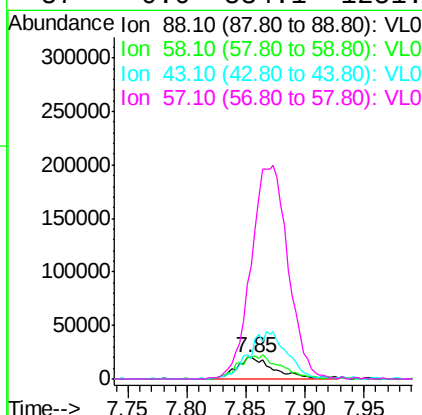
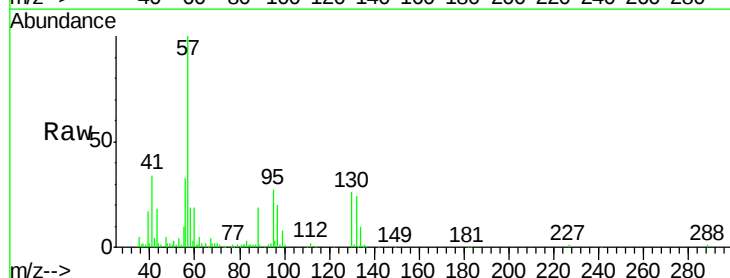
Manual Integrations
 APPROVED

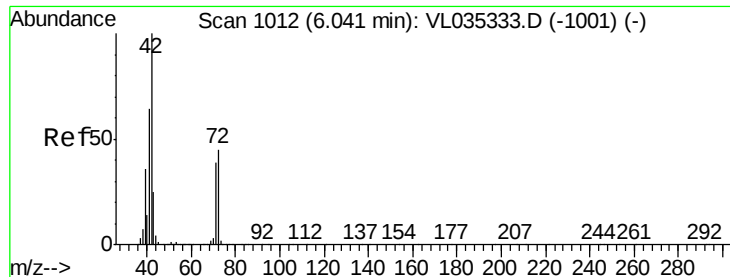
MMDadoda
 8/6/2020 12:48:53 PM



#40
 1,4-Dioxane
 Concen: 1.023 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	88	Resp:	45843
Ion	Ratio	Lower	Upper
88	100		
58	0.0	96.7	145.1#
43	0.0	190.7	286.1#
57	0.0	834.1	1251.1#





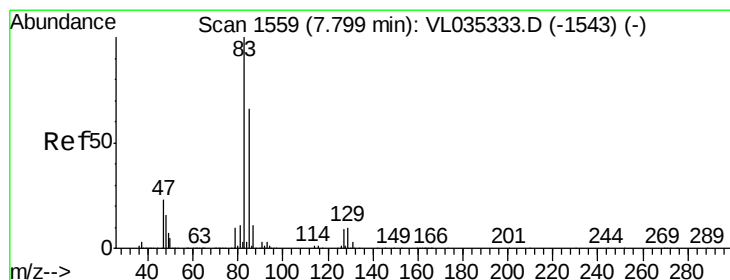
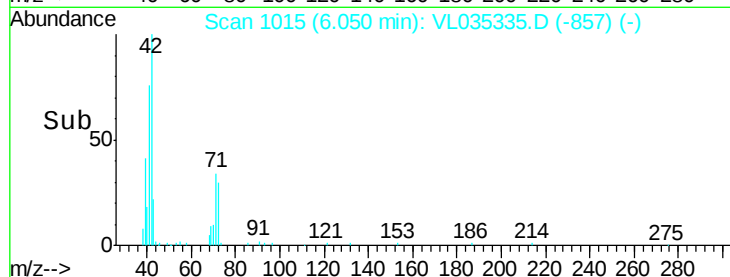
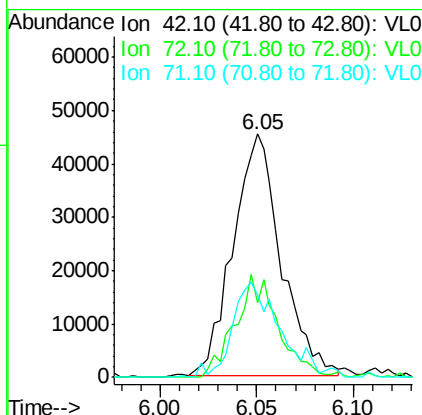
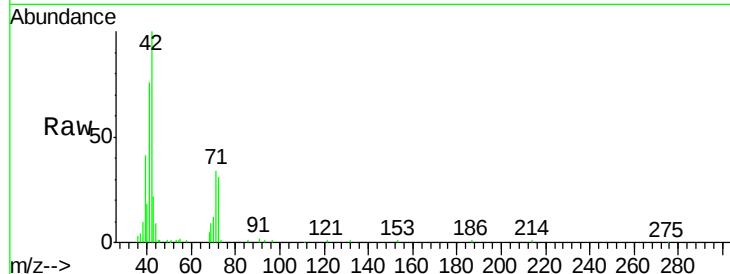
#41
Tetrahydrofuran
Concen: 0.844 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	33.6	50.4
71	39.4	33.1	49.7

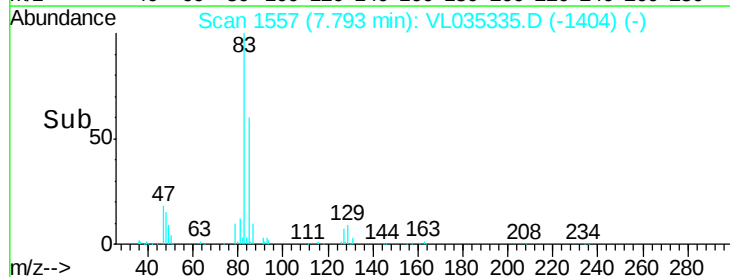
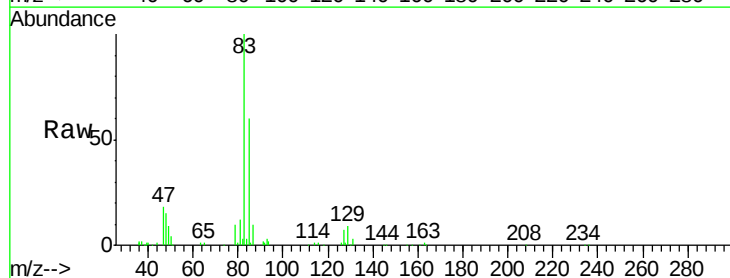
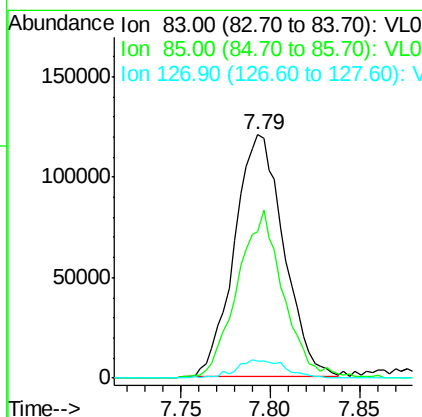
Manual Integrations
APPROVED

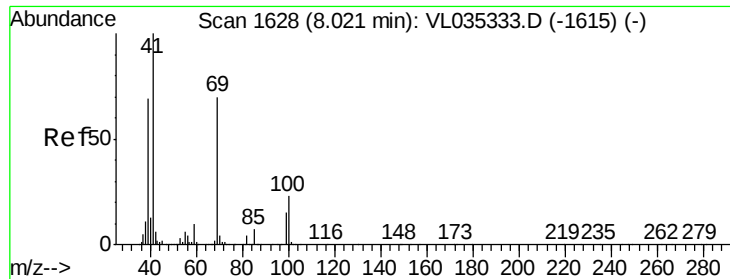
MMDadoda
8/6/2020 12:48:53 PM



#42
Bromodichloromethane
Concen: 0.959 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	53.1	79.7
127	6.6	6.8	10.2#





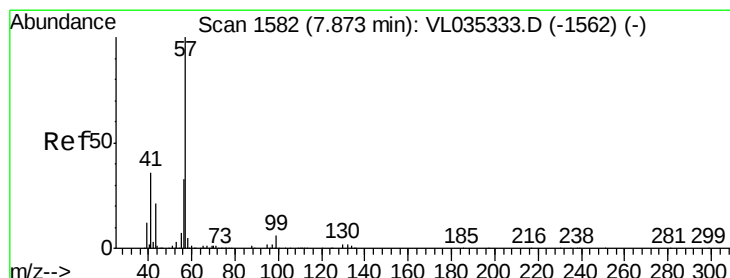
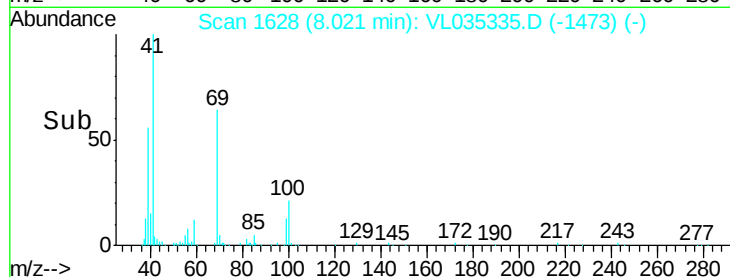
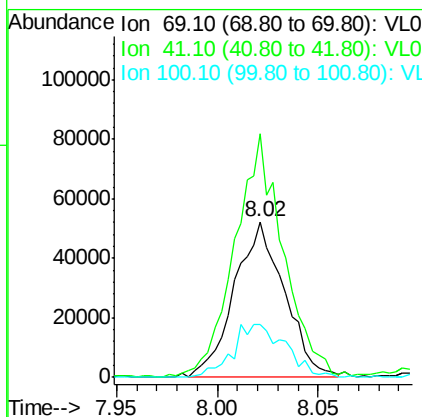
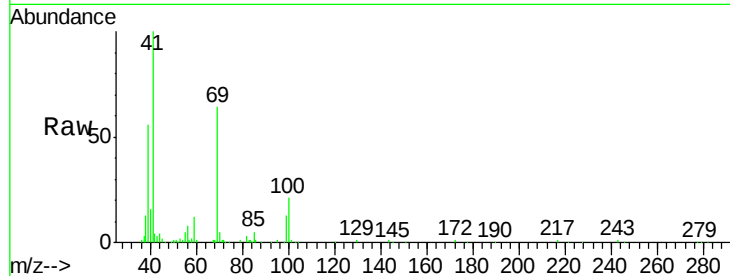
#43
Methvl Methacrilate
Concen: 0.821 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	153.9	115.8	173.6		
100	36.4	26.7	40.1		

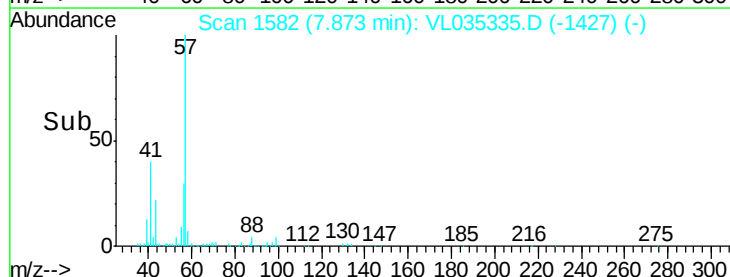
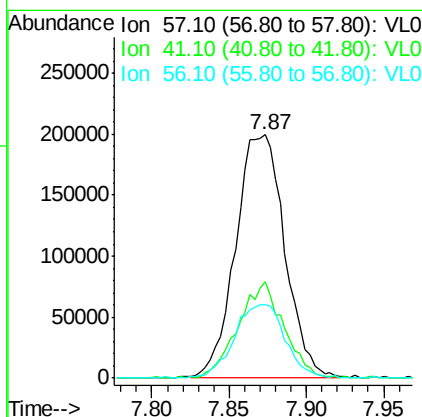
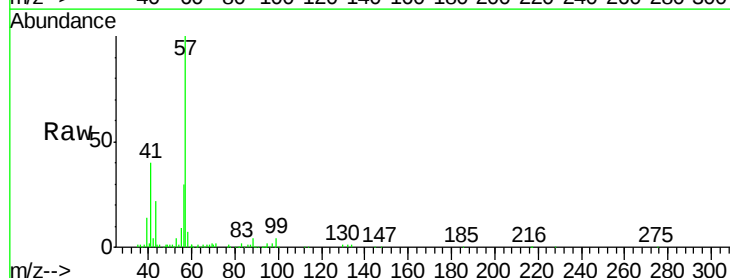
Manual Integrations
APPROVED

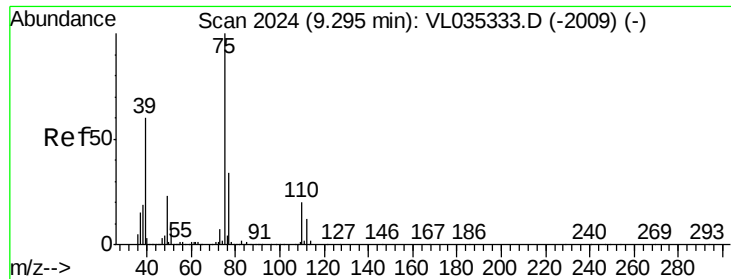
MMDadoda
8/6/2020 12:48:53 PM



#44
2,2,4-Trimethylpentane
Concen: 0.984 ppbv m
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	0.0	27.9	41.9#		
56	0.0	25.4	38.0#		





#45

t-1,3-Dichloropropene

Concen: 0.727 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 84834

Ion Ratio Lower Upper

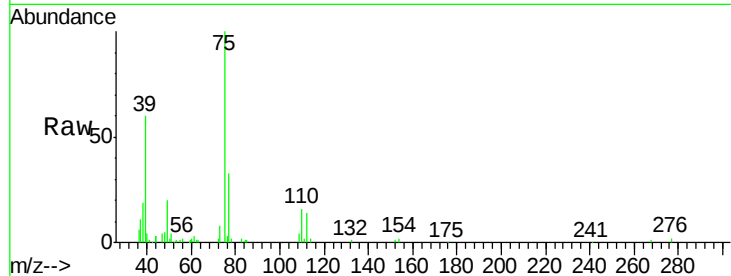
75 100

77 33.3 27.0 40.6

Manual Integrations
APPROVED

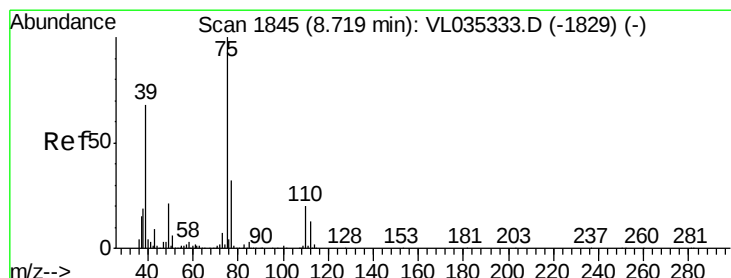
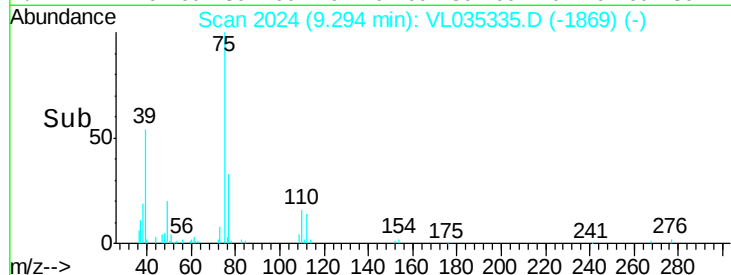
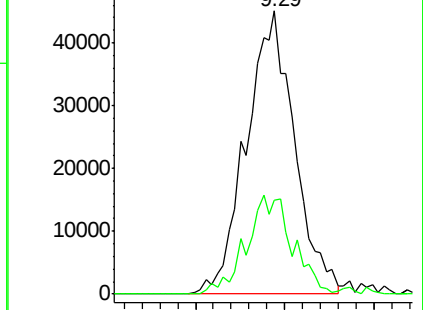
MMDadoda

8/6/2020 12:48:53 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.744 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

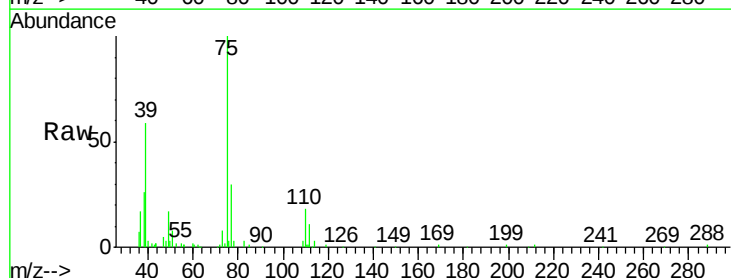
Tgt Ion: 75 Resp: 103974

Ion Ratio Lower Upper

75 100

39 56.4 54.2 81.2

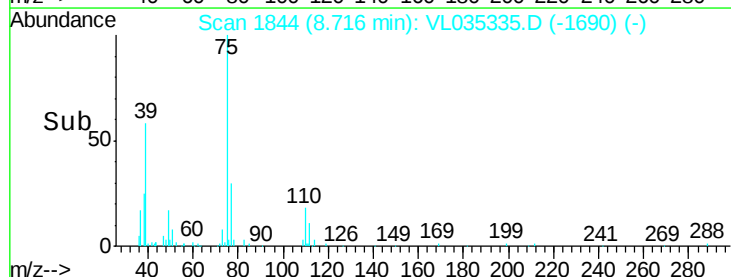
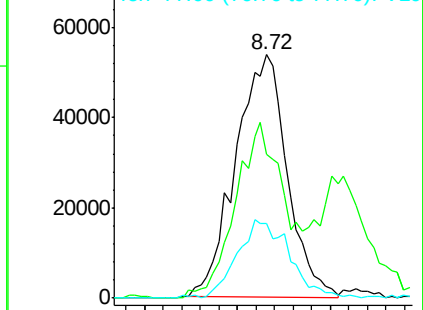
77 29.7 25.4 38.2

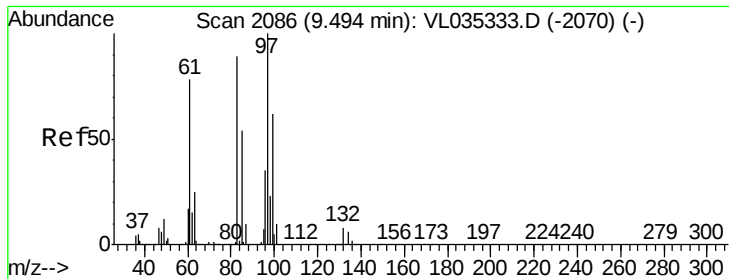


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





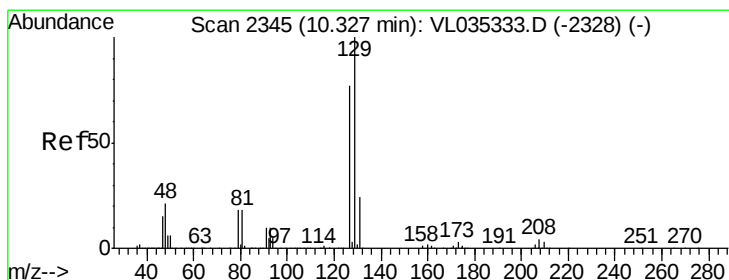
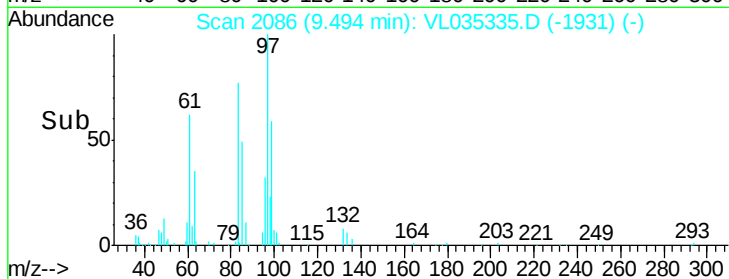
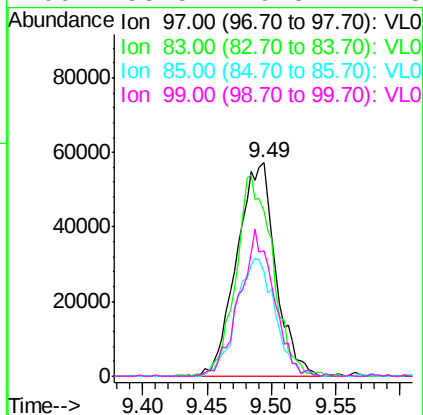
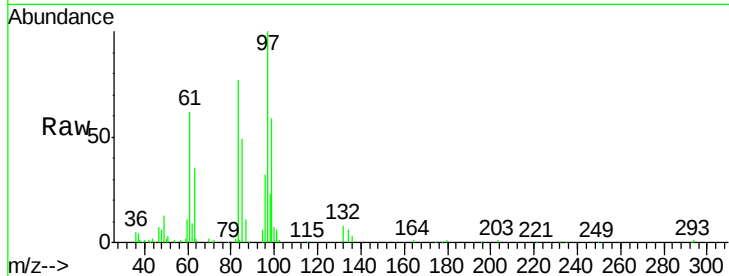
#47
 1,1,2-Trichloroethane
 Concen: 1.005 ppbv m
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120275		
83	77.4	71.3	106.9		
85	49.3	43.3	64.9		
99	58.5	49.8	74.8		

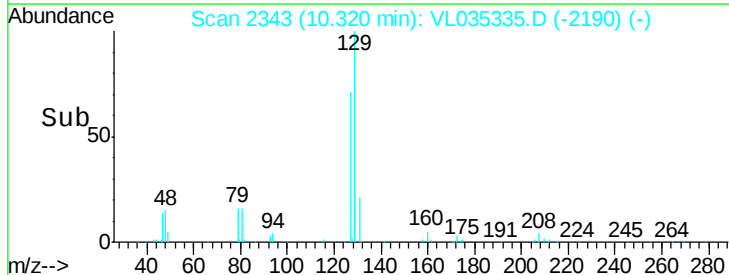
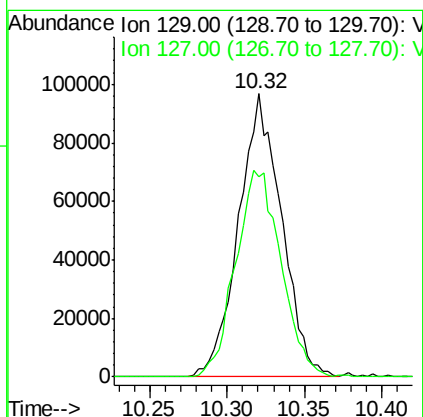
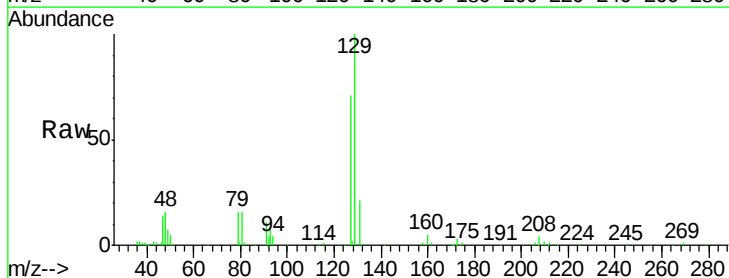
Manual Integrations
 APPROVED

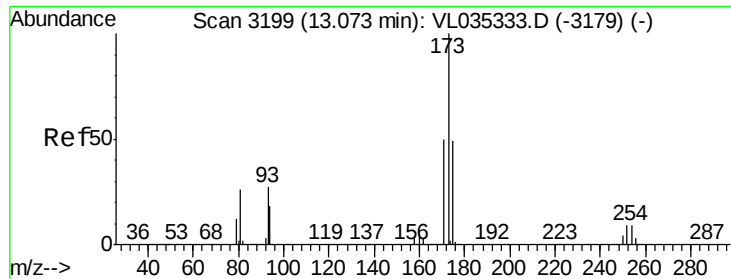
MMDadoda
 8/6/2020 12:48:53 PM



#48
 Dibromochloromethane
 Concen: 0.958 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		186578		
127	77.4	39.1	117.2		





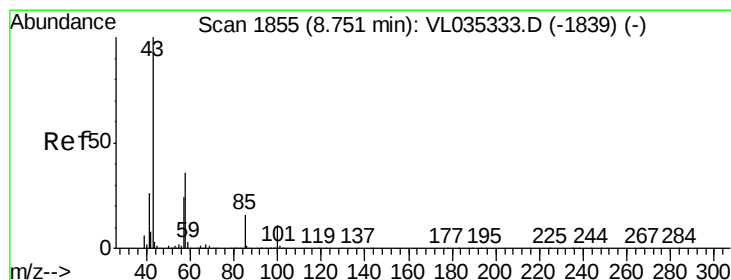
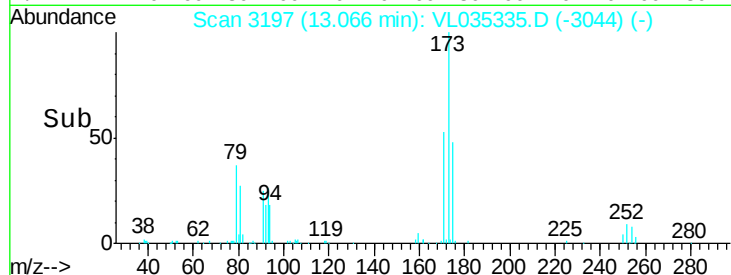
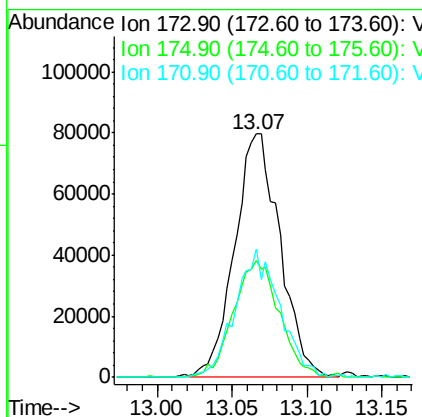
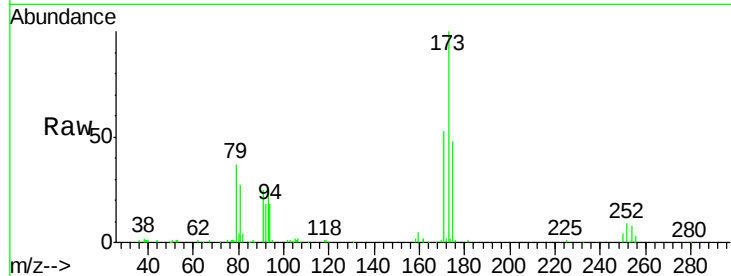
#49
Bromoform
Concen: 0.991 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.3	58.9
171	51.7	41.2	61.8

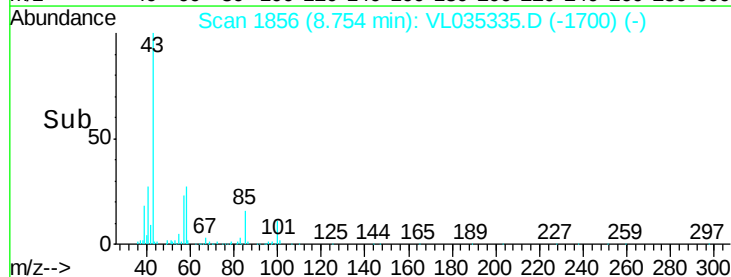
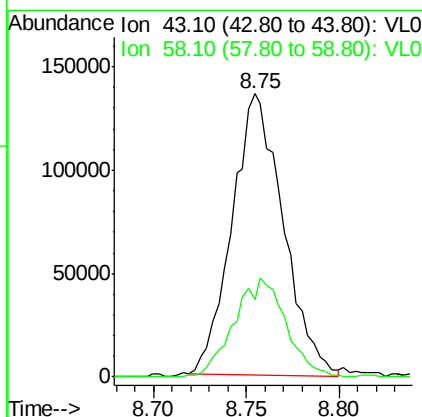
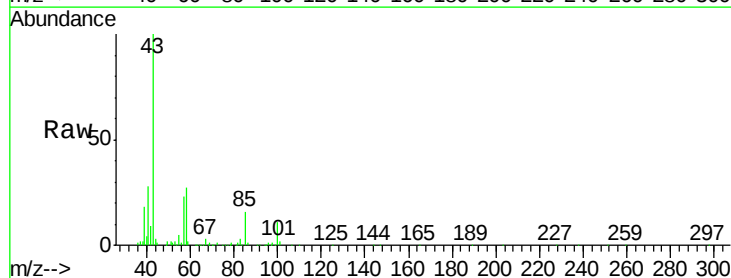
Manual Integrations
APPROVED

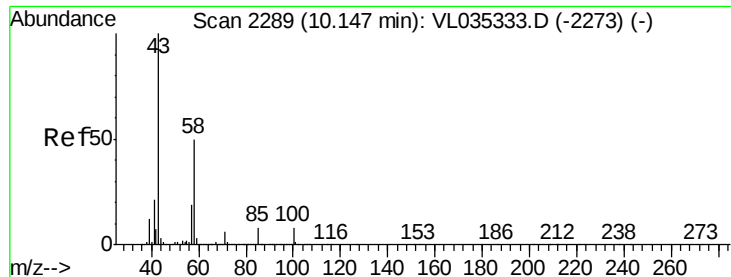
MMDadoda
8/6/2020 12:48:53 PM



#50
4-Methyl-2-Pentanone
Concen: 0.983 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.2	43.8





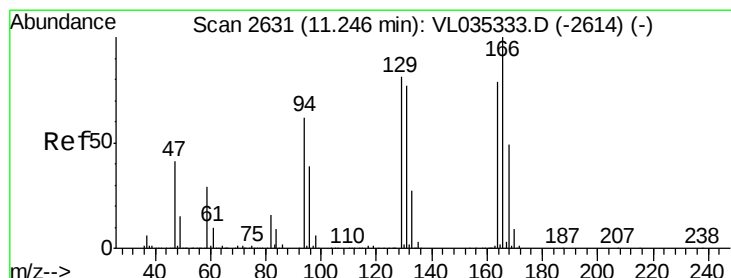
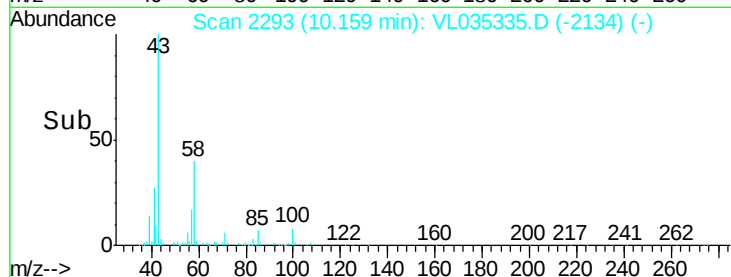
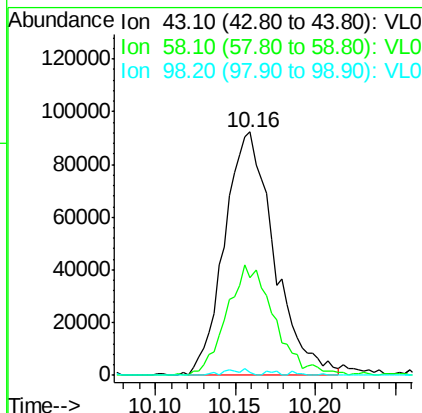
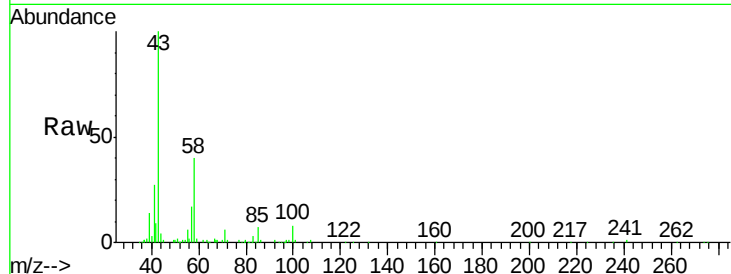
#51
2-Hexanone
Concen: 0.954 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.3	39.4	59.2
98	2.1	0.2	0.4

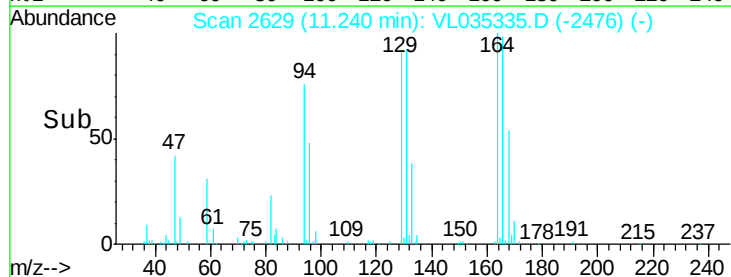
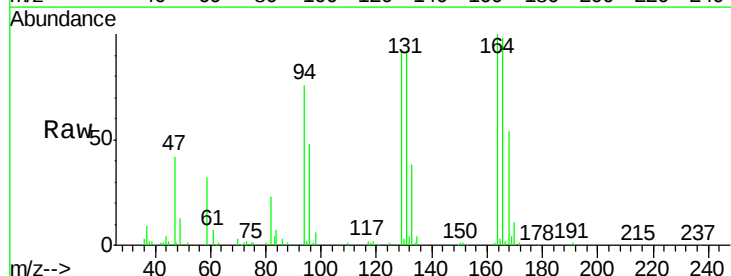
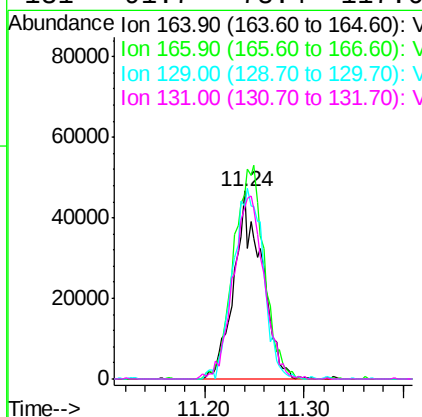
Manual Integrations
APPROVED

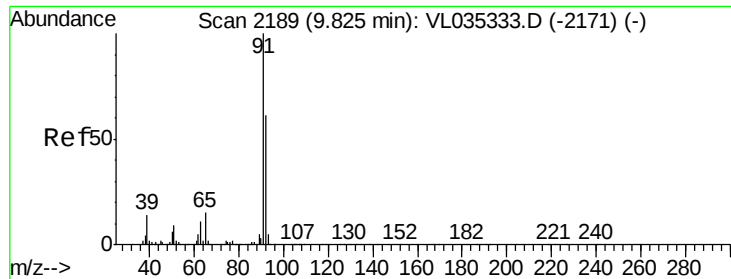
MMDadoda
8/6/2020 12:48:53 PM



#52
Tetrachloroethene
Concen: 0.991 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	98.3	101.4	152.0
129	91.9	82.1	123.1
131	91.7	78.4	117.6





#53

Toluene

Concen: 0.855 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 235191

Ion Ratio Lower Upper

91 100

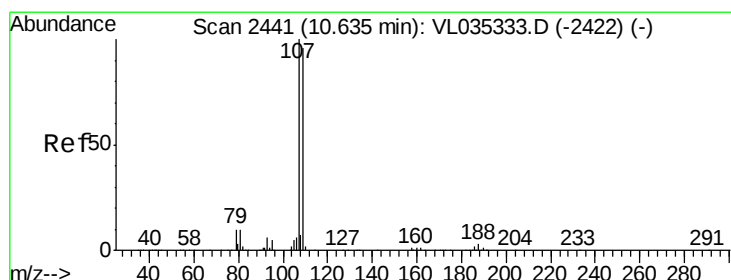
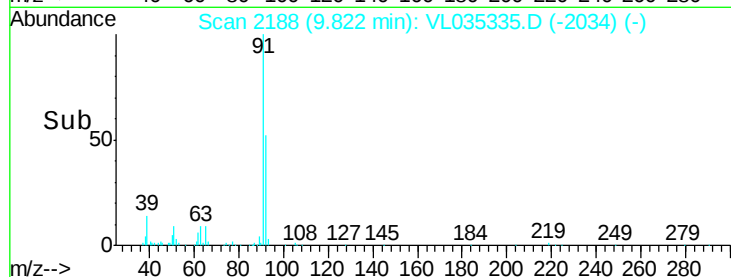
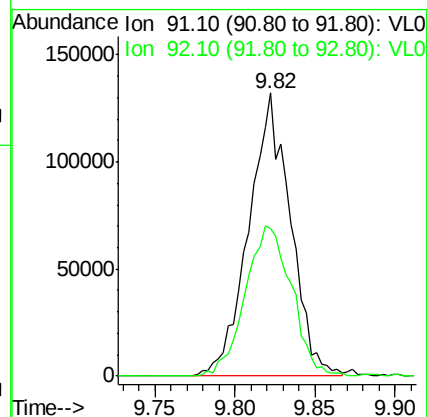
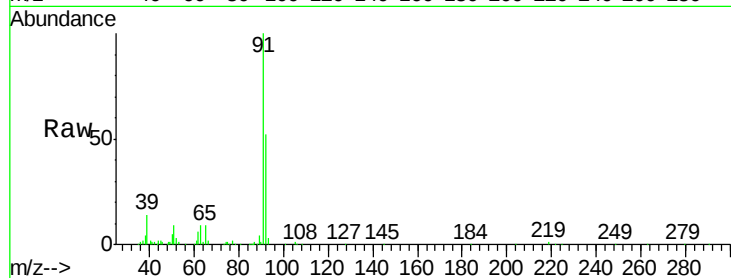
92 59.5 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:48:53 PM



#54

1,2-Dibromoethane

Concen: 0.946 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL035335.D

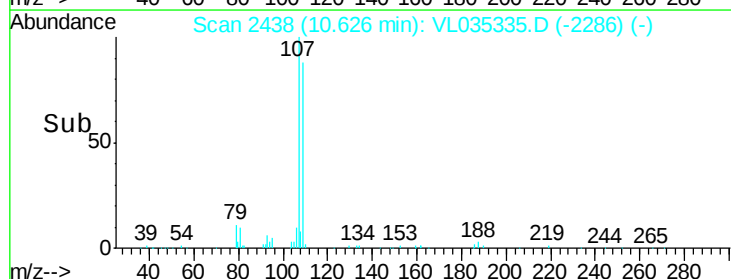
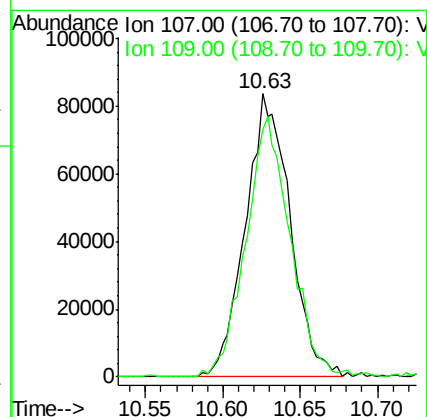
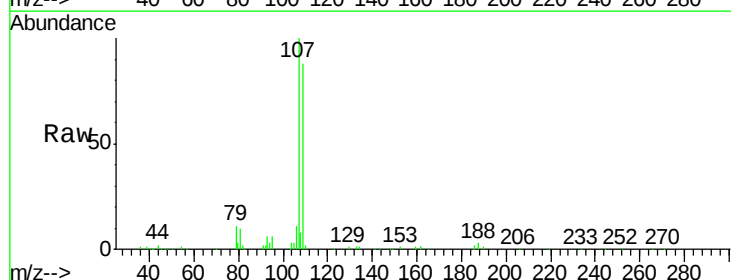
Acq: 5 Aug 2020 9:58

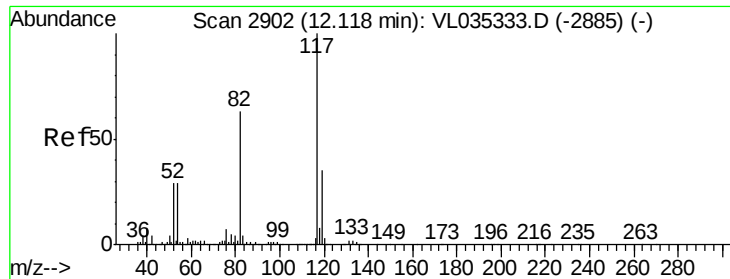
Tgt Ion: 107 Resp: 167568

Ion Ratio Lower Upper

107 100

109 87.6 76.8 115.2





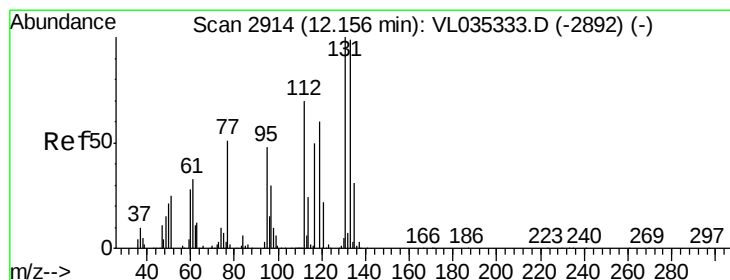
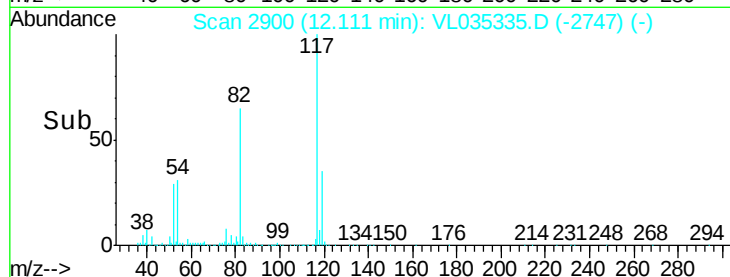
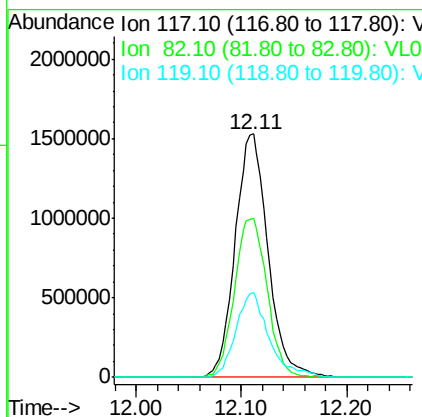
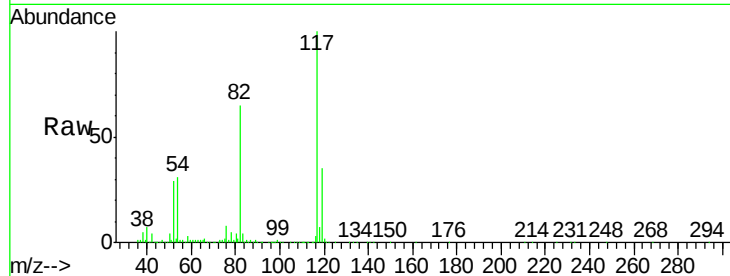
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.1	51.0	76.4
119	35.4	24.7	37.1

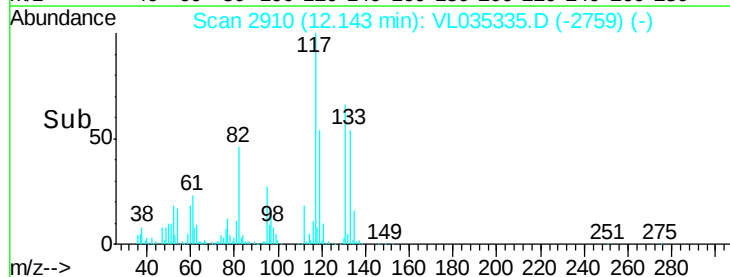
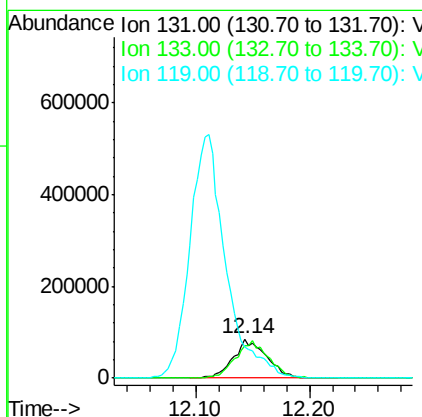
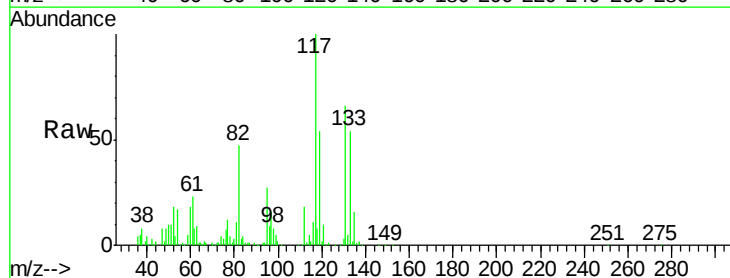
Manual Integrations
APPROVED

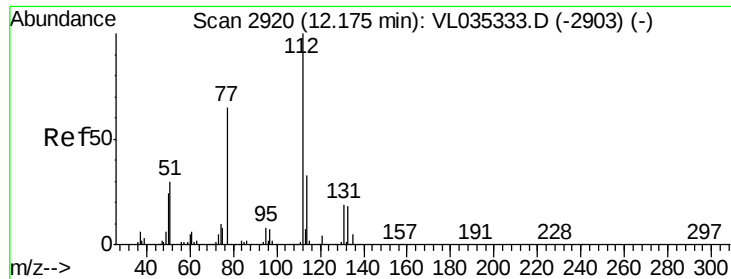
MMDadoda
8/6/2020 12:48:53 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 1.089 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	75.4	113.2
119	0.0	43.7	65.5#





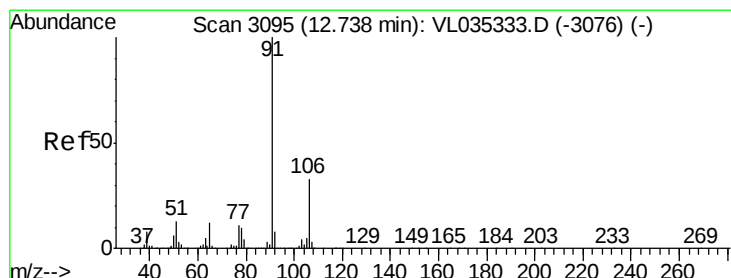
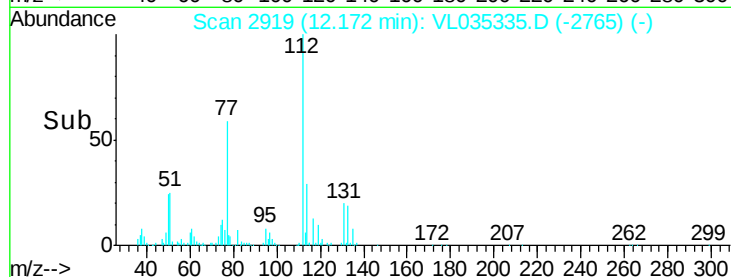
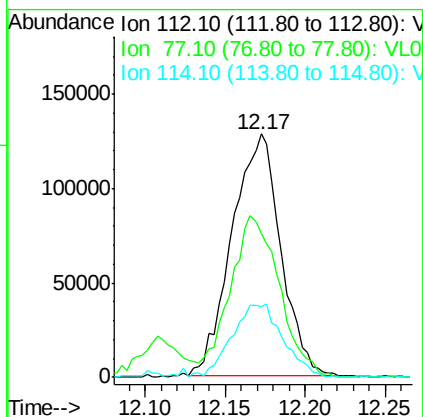
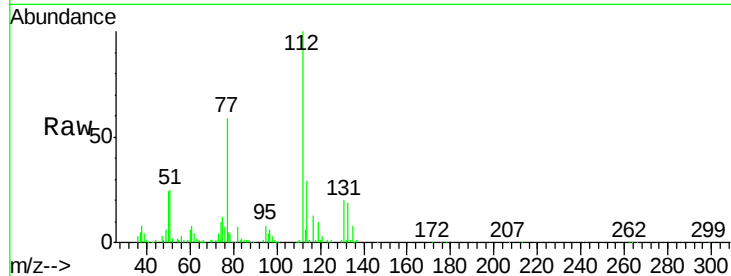
#57
Chlorobenzene
Concen: 1.055 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
112	100	266974		
77	64.6	53.3	79.9	
114	30.8	29.8	36.4	

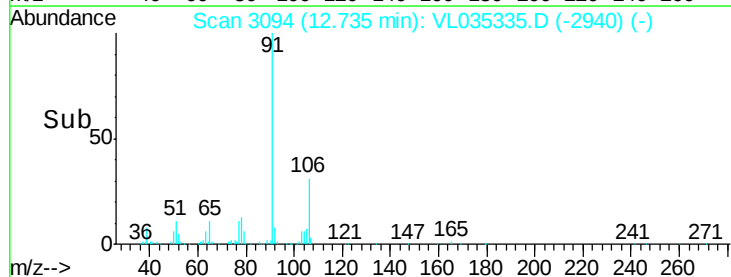
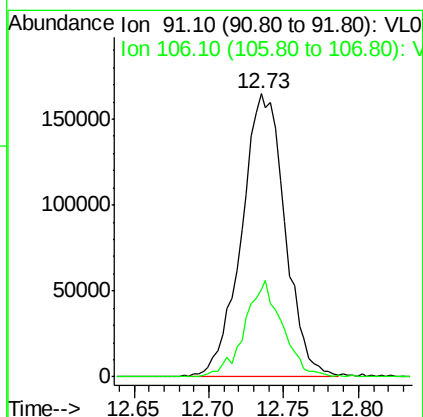
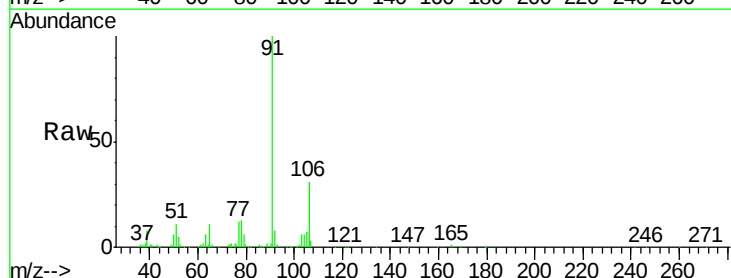
Manual Integrations
APPROVED

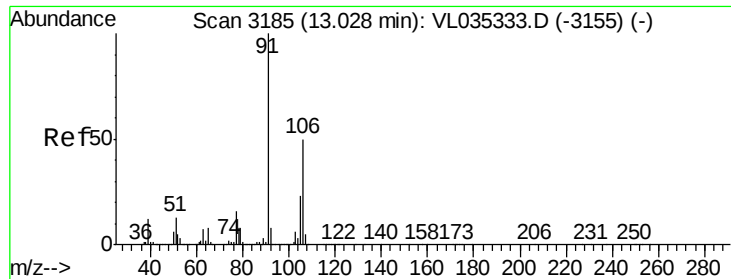
MMDadoda
8/6/2020 12:48:53 PM



#58
Ethyl Benzene
Concen: 0.920 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	333137		
106	31.1	26.8	40.2	





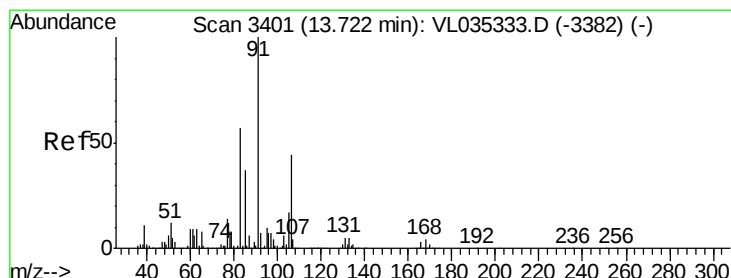
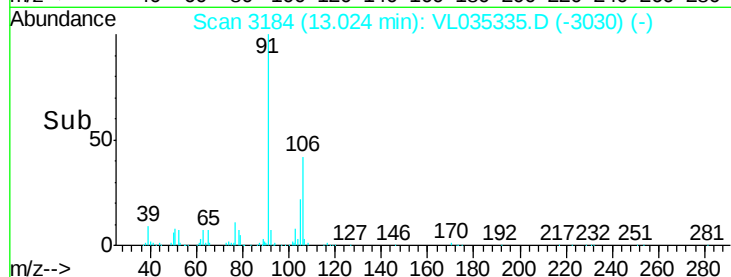
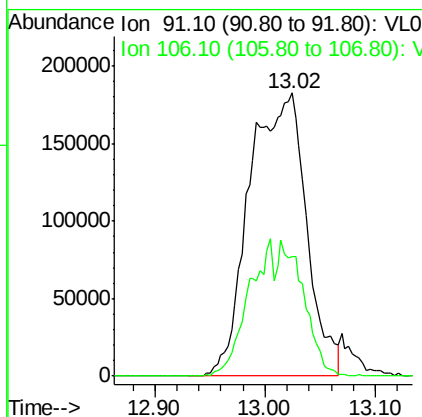
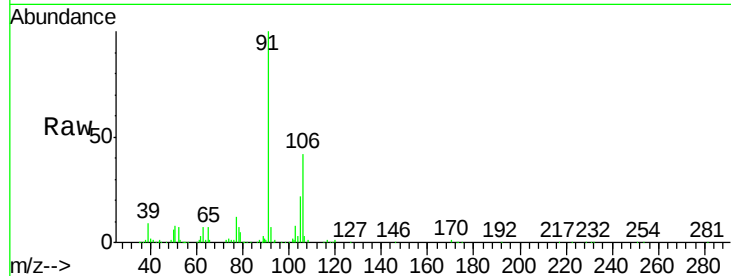
#59
m/p-Xylene
Concen: 1.955 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 653291
Ion Ratio Lower Upper
91 100
106 0.0 37.8 56.8#

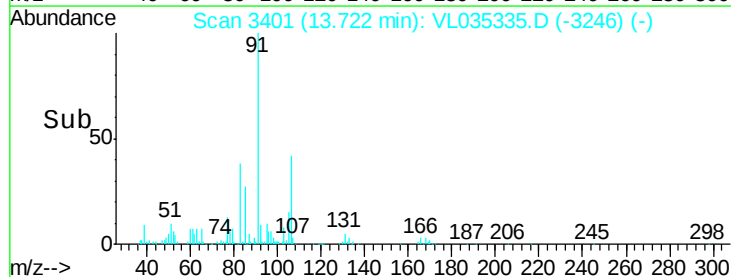
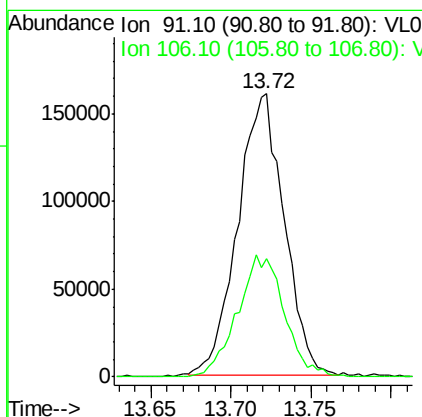
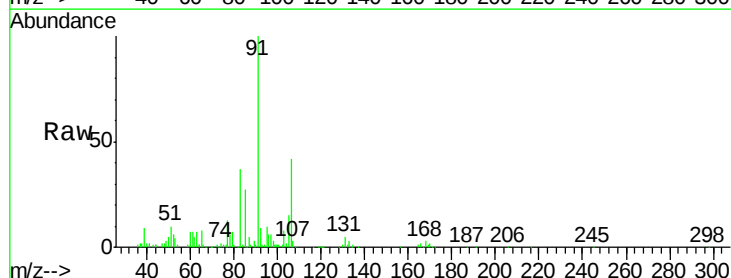
Manual Integrations
APPROVED

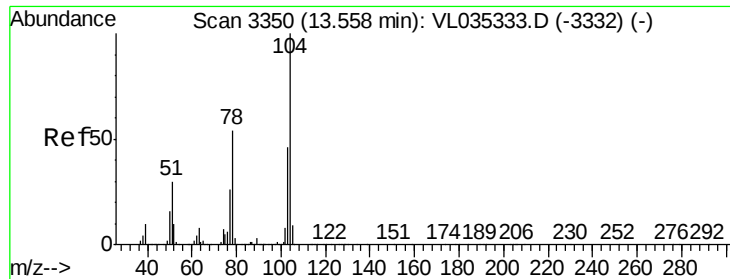
MMDadoda
8/6/2020 12:48:53 PM



#60
o-Xylene
Concen: 0.965 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion: 91 Resp: 318853
Ion Ratio Lower Upper
91 100
106 43.5 22.7 68.0





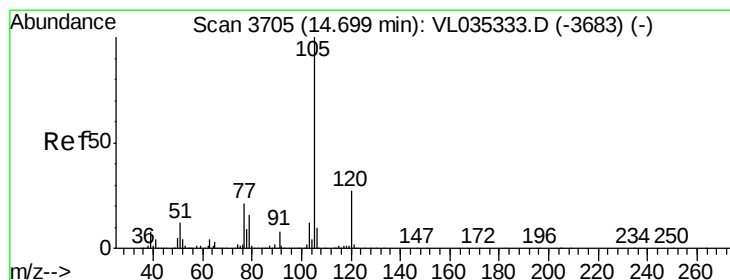
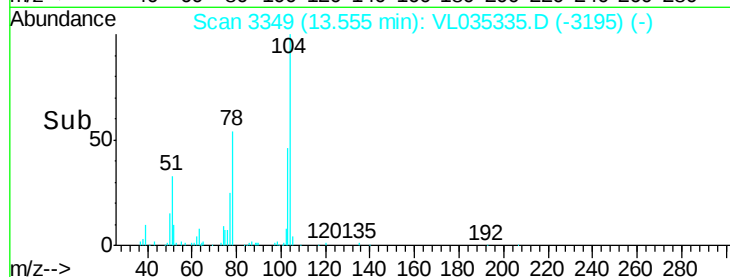
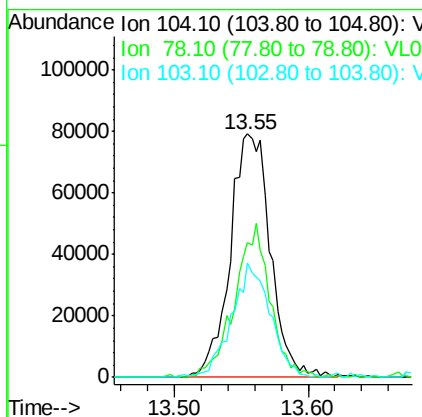
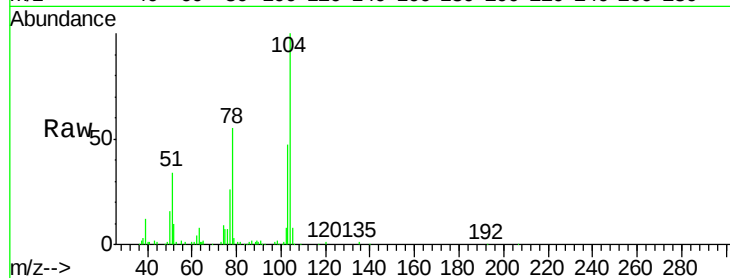
#61
Stvrene
Concen: 0.816 ppbv m
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.6	63.8#
103	44.9	38.1	57.1

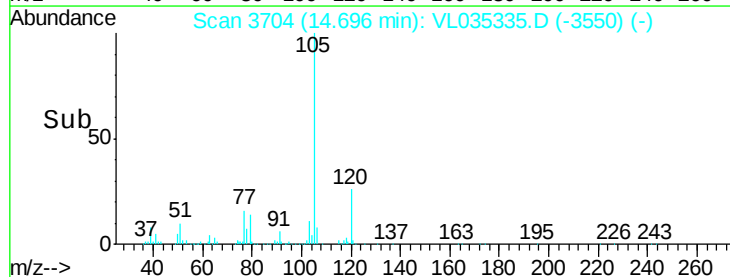
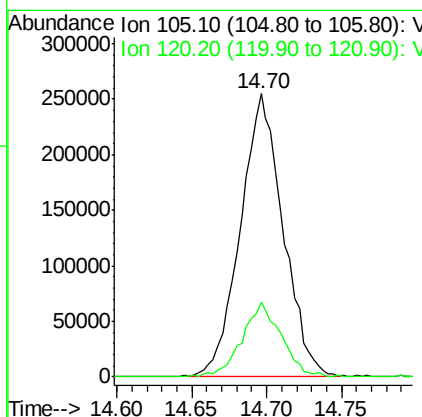
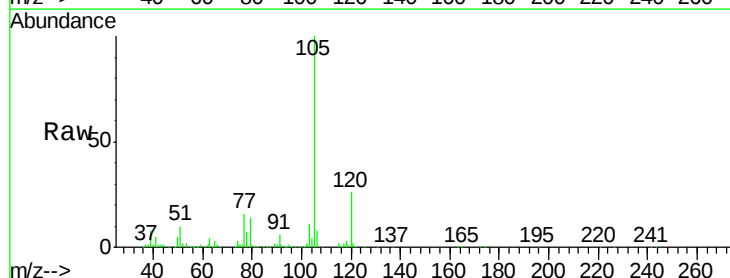
Manual Integrations
APPROVED

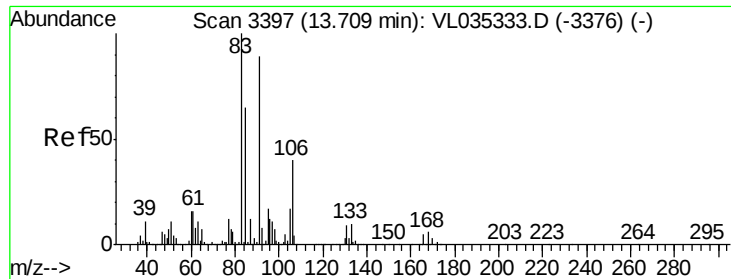
MMDadoda
8/6/2020 12:48:53 PM



#62
Isopropylbenzene
Concen: 1.005 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	21.1	31.7





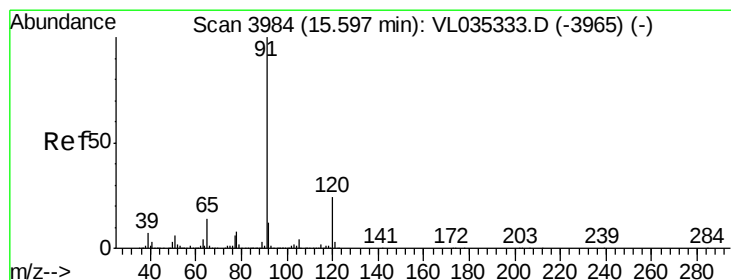
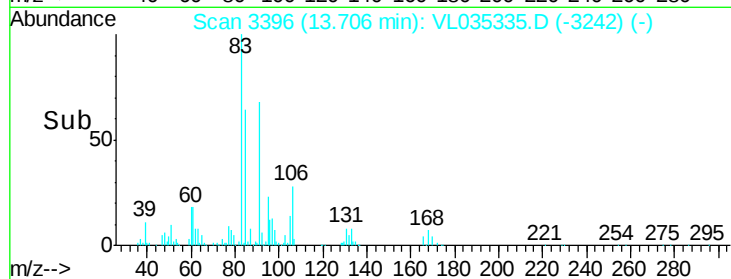
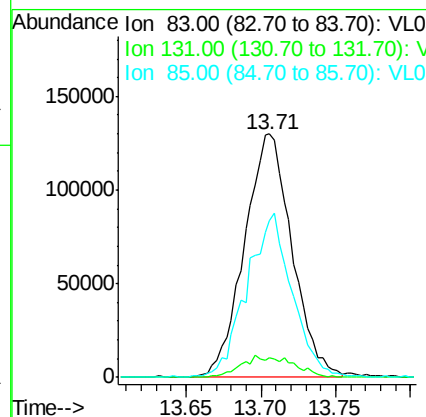
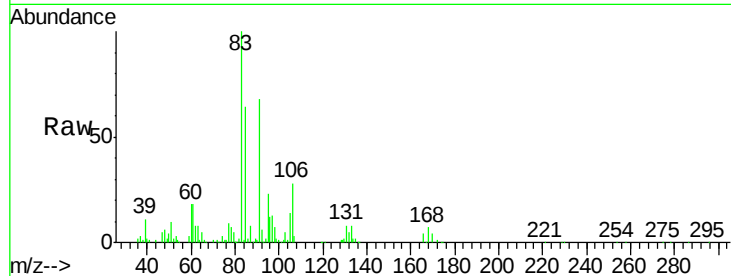
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.108 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.6	5.0	14.9	
85	64.5	32.6	98.0	

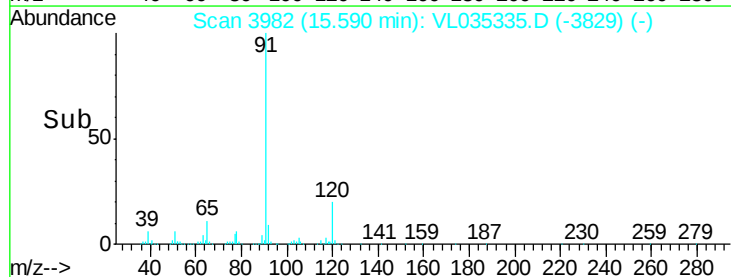
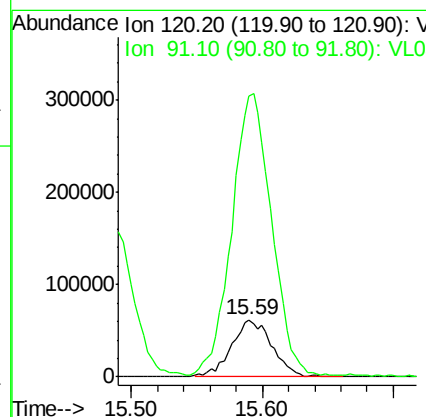
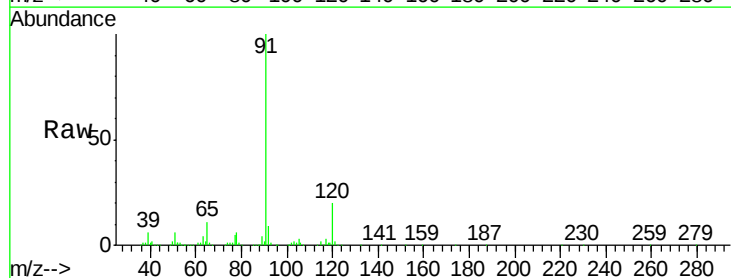
Manual Integrations
 APPROVED

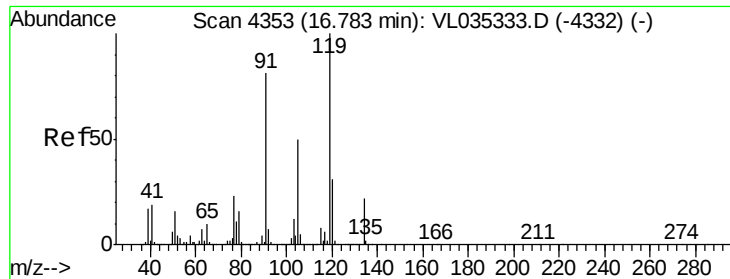
MMDadoda
 8/6/2020 12:48:53 PM



#64
 n-propylbenzene
 Concen: 1.014 ppbv m
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
120	100			
91	487.7	357.2	535.8	





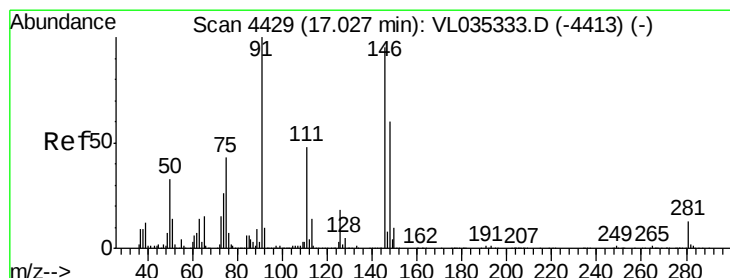
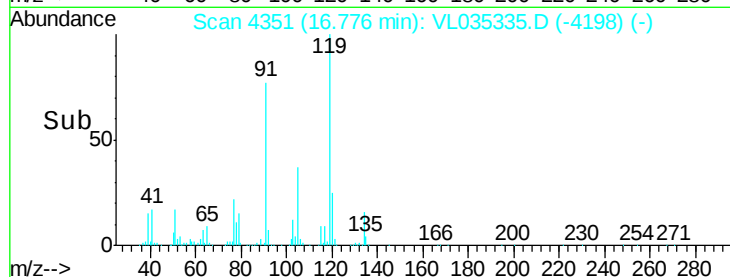
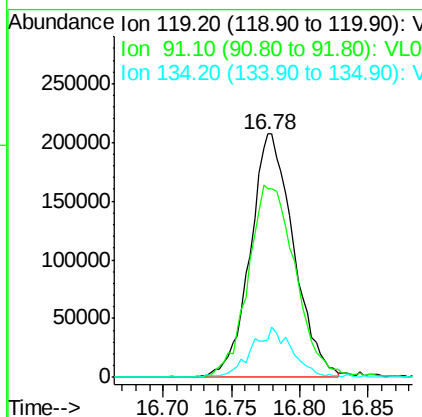
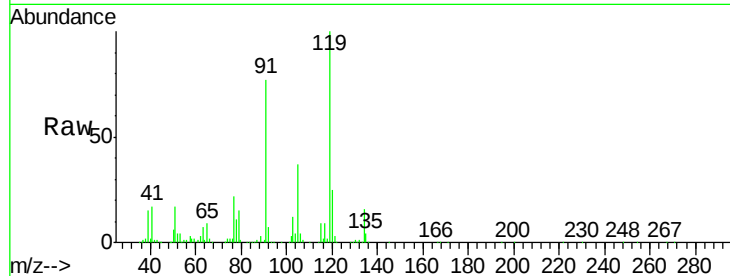
#65
 tert-Butylbenzene
 Concen: 1.022 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
119	100		
91	86.8	66.3	99.5
134	19.6	16.2	24.2

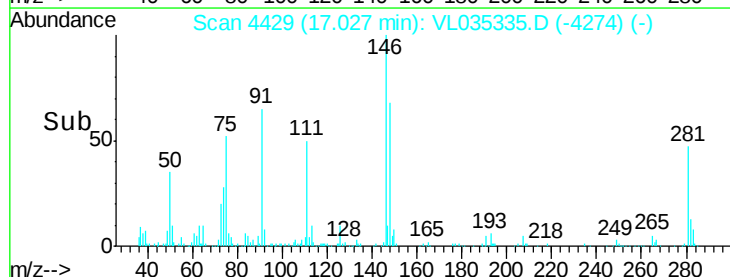
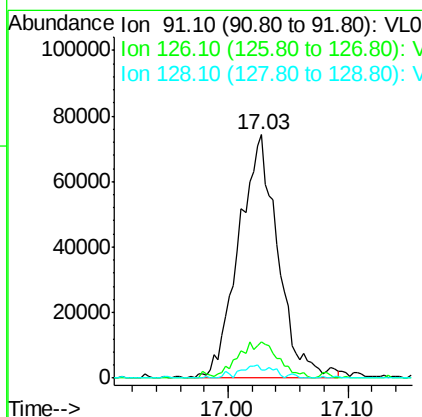
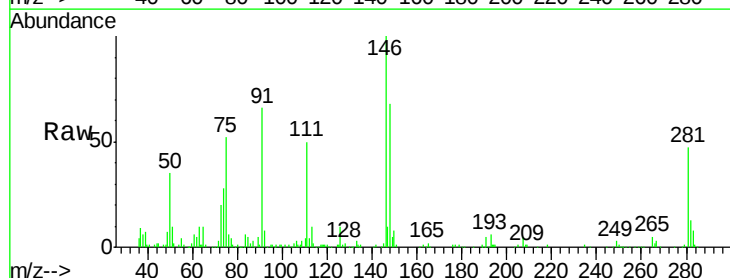
Manual Integrations
 APPROVED

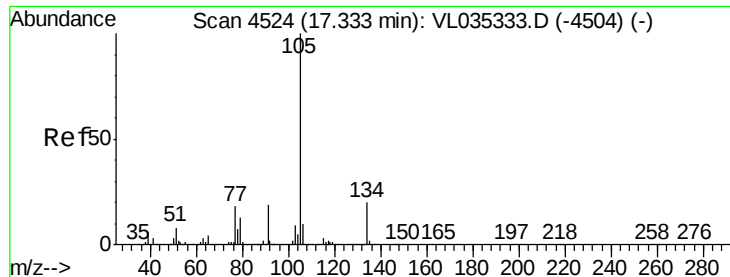
MMDadoda
 8/6/2020 12:48:53 PM



#66
 Benzyl Chloride
 Concen: 0.964 ppbv m
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	16.3	14.1	21.1
128	4.7	4.5	6.7





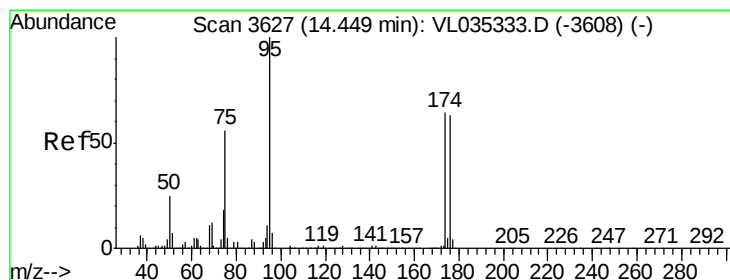
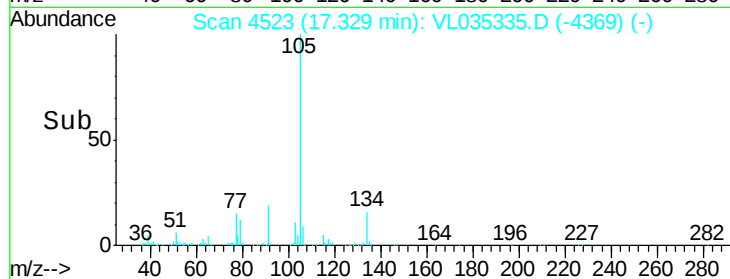
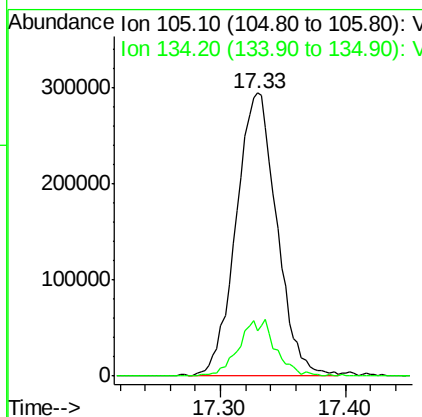
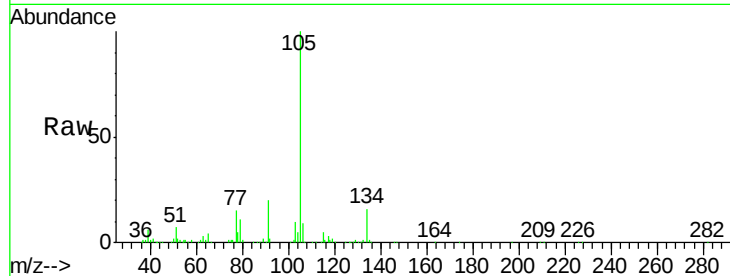
#67
 sec-Butylbenzene
 Concen: 1.046 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.9	15.4	23.2

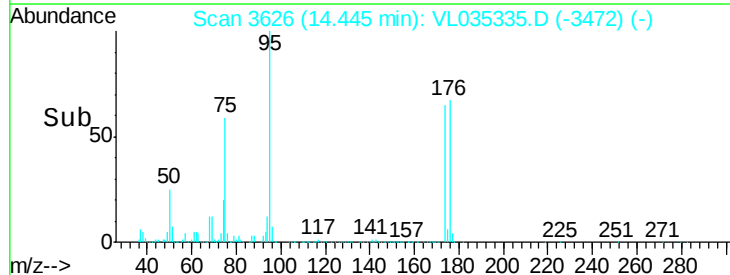
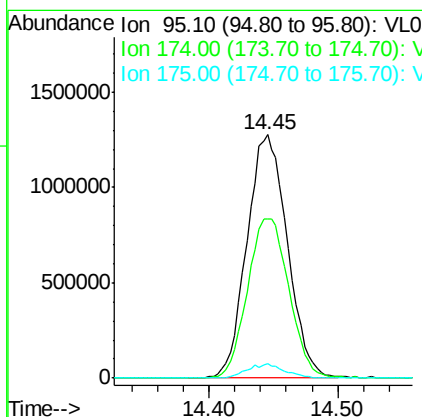
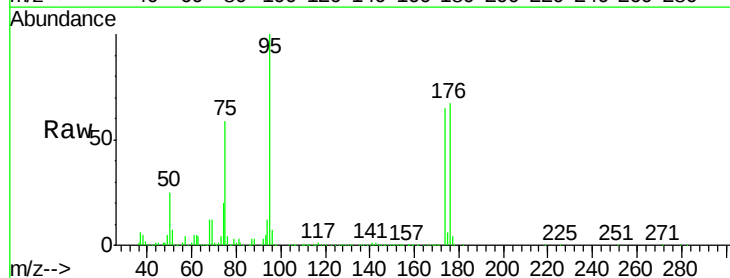
Manual Integrations
 APPROVED

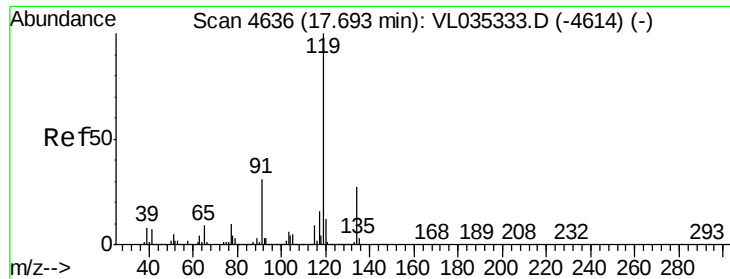
MMDadoda
 8/6/2020 12:48:53 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.059 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.6	53.5	80.3
175	5.4	4.2	6.2





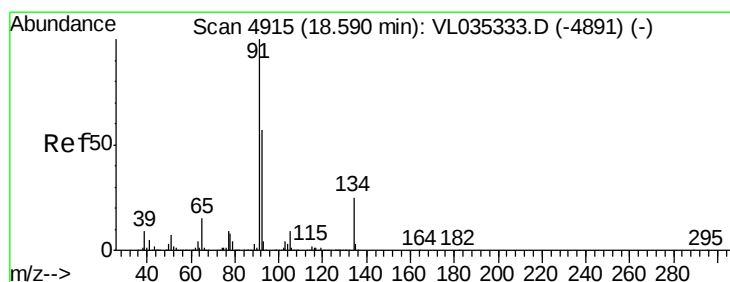
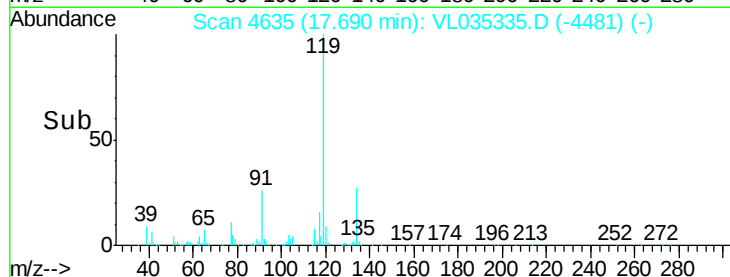
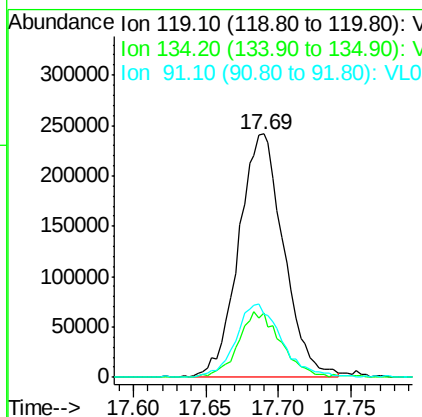
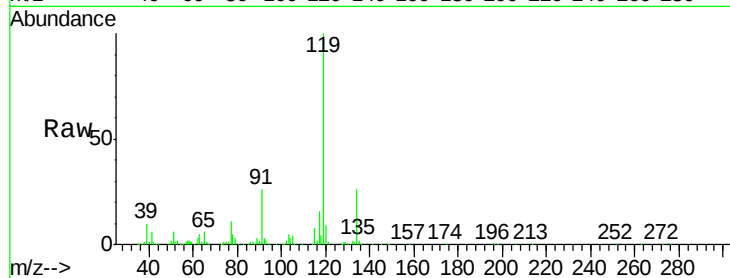
#69
p-Isopropyltoluene
Concen: 0.992 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:	119	Resp:	517691
Ion Ratio	Lower	Upper	
119	100		
134	26.2	21.1	31.7
91	31.4	24.5	36.7

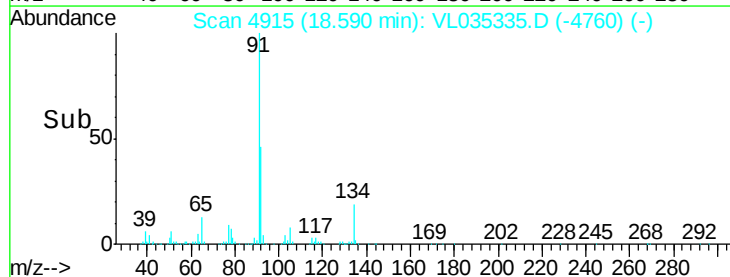
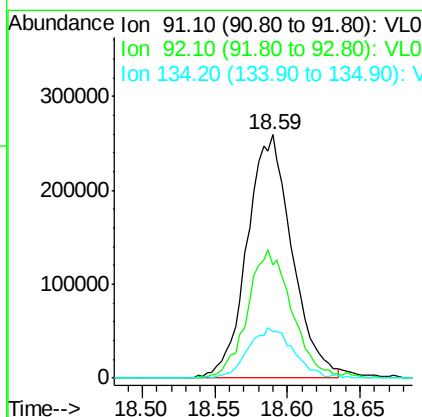
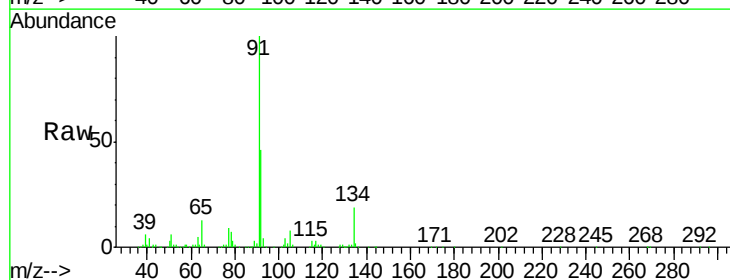
Manual Integrations
APPROVED

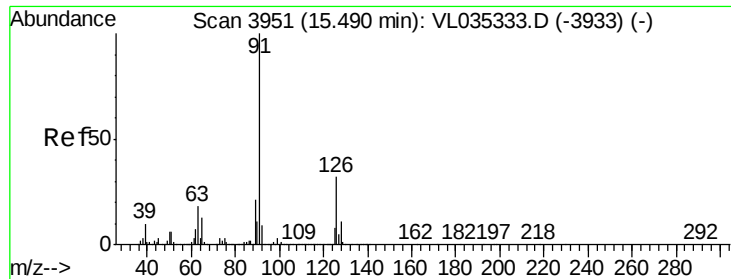
MMDadoda
8/6/2020 12:48:53 PM



#70
n-Butylbenzene
Concen: 0.991 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion:	91	Resp:	556648
Ion Ratio	Lower	Upper	
91	100		
92	52.9	44.2	66.2
134	21.1	19.0	28.6





#71

2-Chlorotoluene

Concen: 0.921 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 342451

Ion Ratio Lower Upper

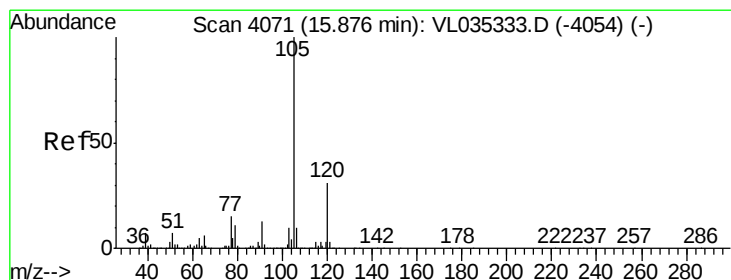
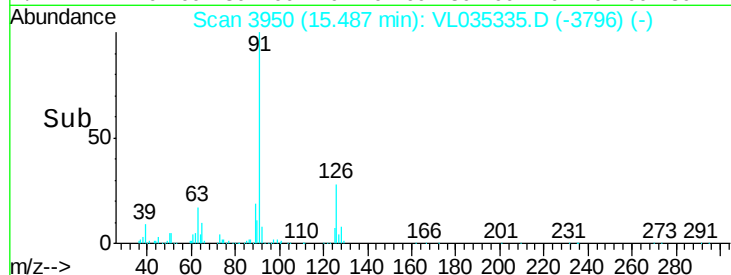
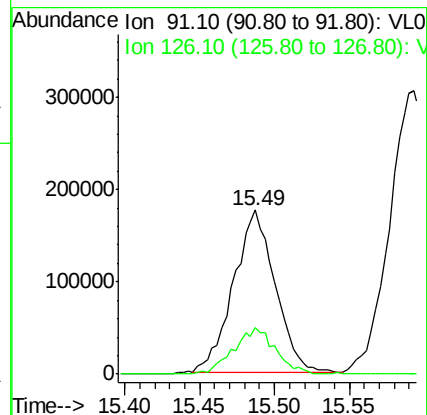
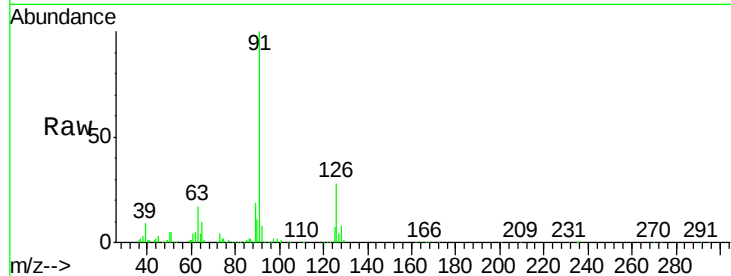
91 100

126 29.0 12.5 50.1

Manual Integrations
APPROVED

MMDadoda

8/6/2020 12:48:53 PM



#72

4-Ethyltoluene

Concen: 0.963 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Tgt Ion: 105 Resp: 358976

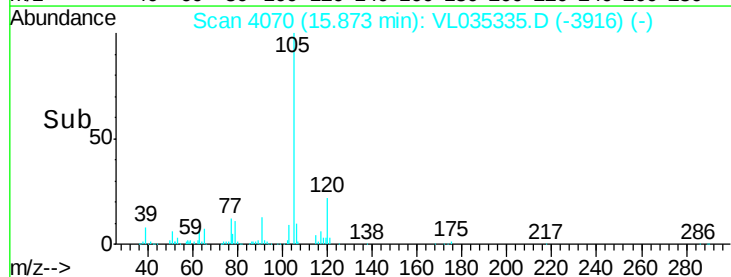
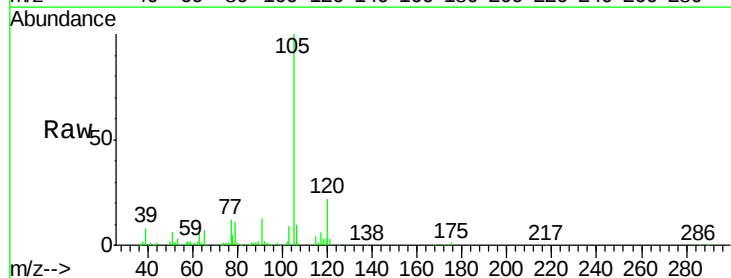
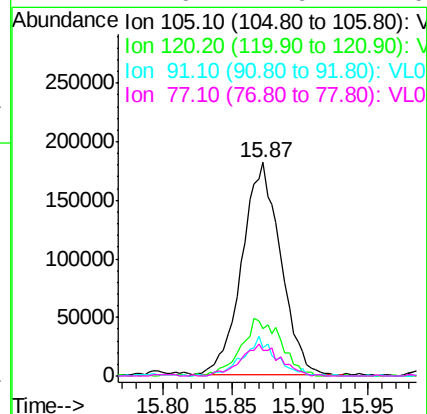
Ion Ratio Lower Upper

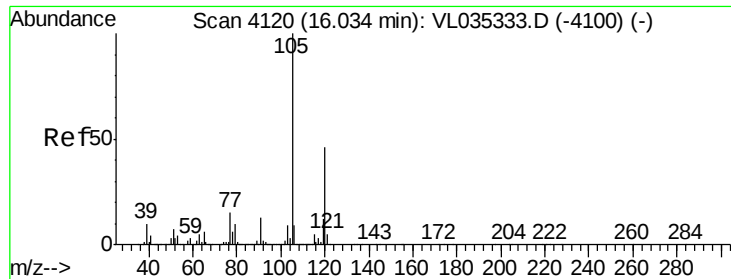
105 100

120 27.5 24.0 36.0

91 15.9 10.8 16.2

77 14.9 11.9 17.9





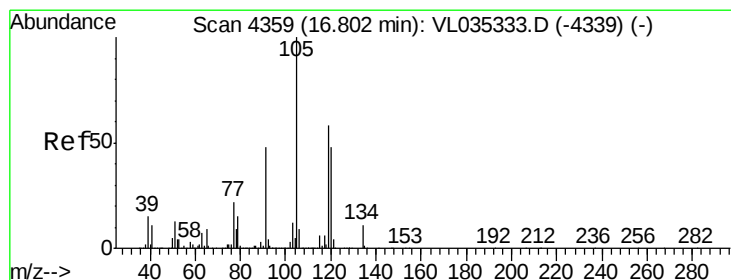
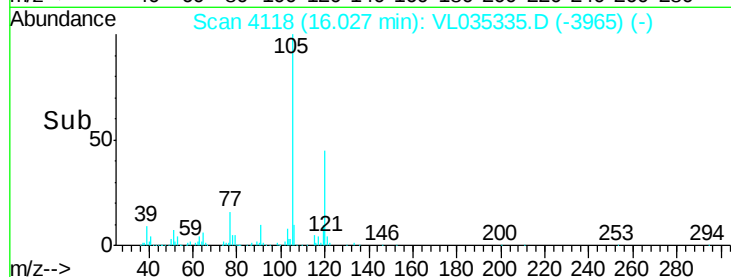
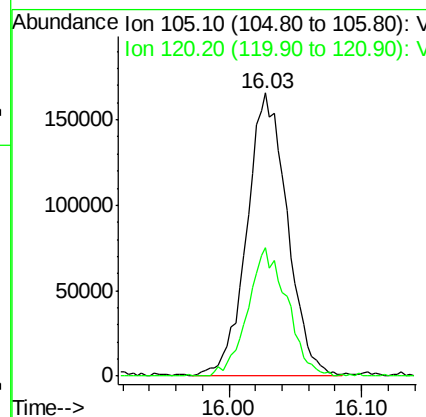
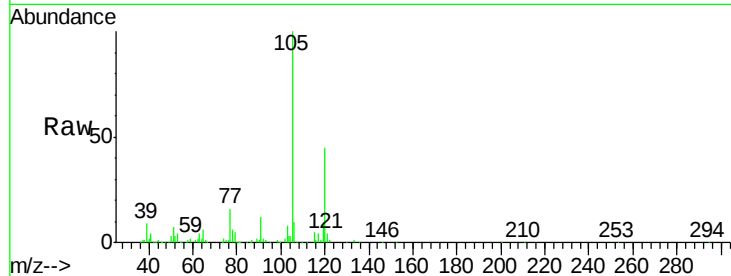
#73
 1,3,5-Trimethylbenzene
 Concen: 0.958 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. -0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.3	36.9	55.3

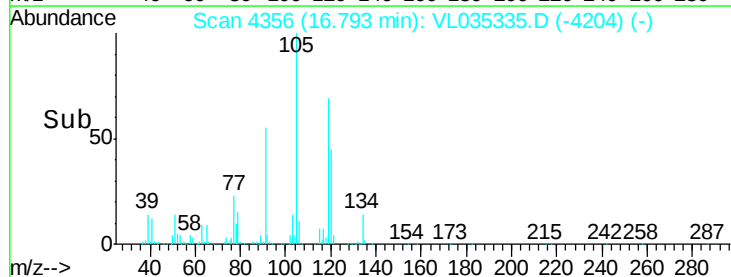
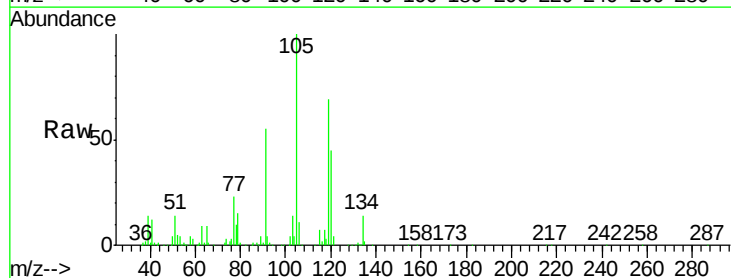
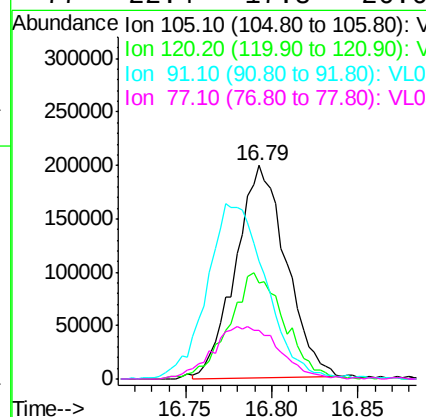
Manual Integrations
 APPROVED

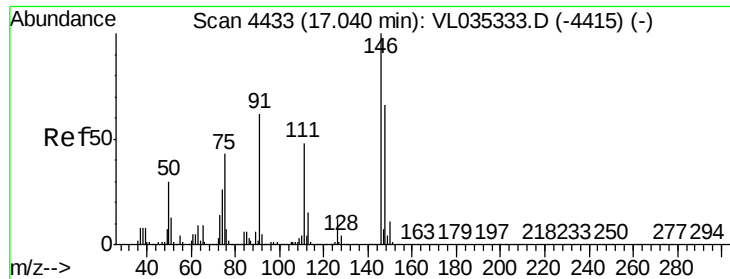
MMDadoda
 8/6/2020 12:48:53 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.973 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	38.5	57.7
91	54.2	39.0	58.6
77	22.4	17.8	26.6





#75

1,3-Dichlorobenzene

Concen: 1.063 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.01 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Instrument :

MSVOA_L

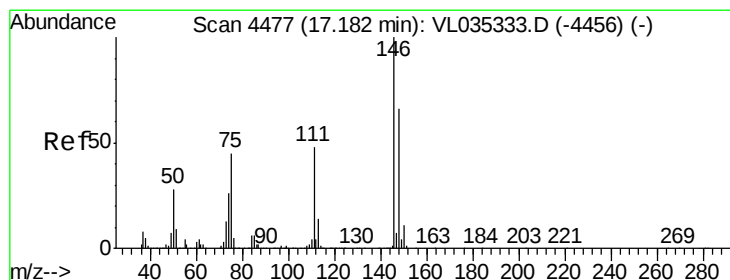
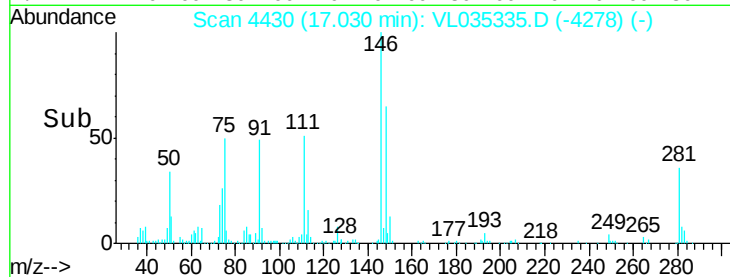
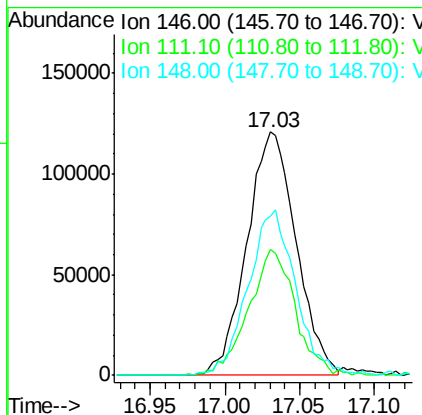
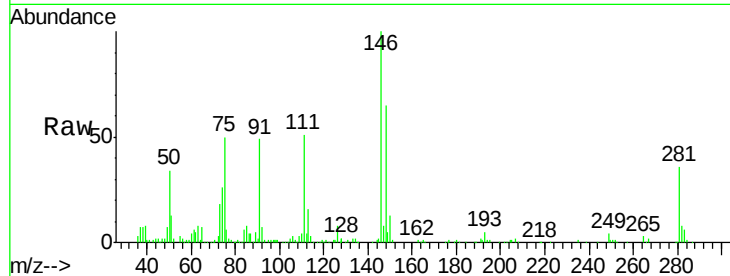
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	276845
Ion Ratio	Lower	Upper	
146	100		
111	49.5	24.2	72.6
148	65.5	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:53 PM



#76

1,4-Dichlorobenzene

Concen: 1.032 ppbv

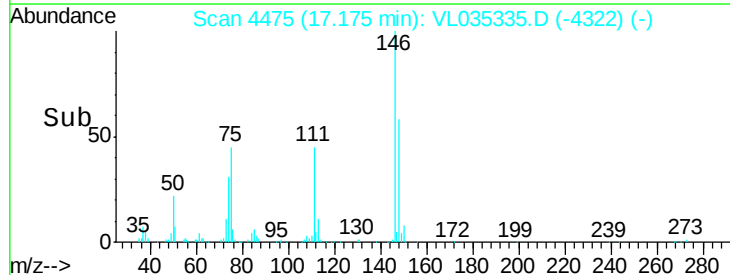
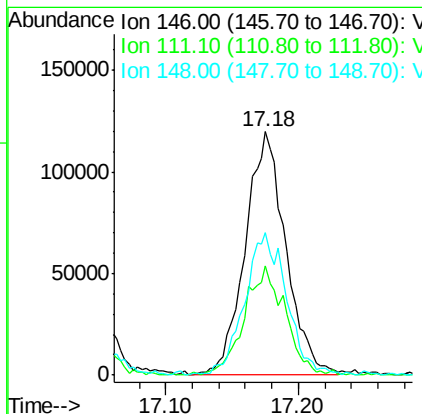
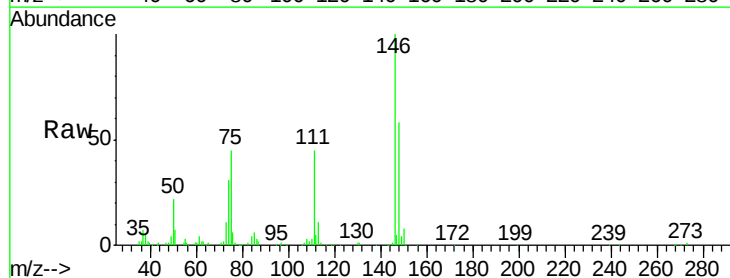
RT: 17.18 min Scan# 4475

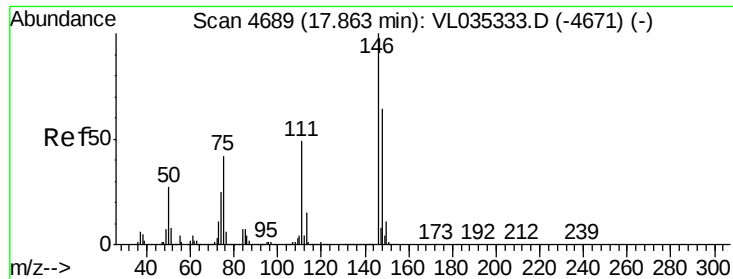
Delta R.T. -0.01 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Tgt Ion:	146	Resp:	254407
Ion Ratio	Lower	Upper	
146	100		
111	45.6	23.3	69.9
148	59.8	32.1	96.5





#77

1,2-Dichlorobenzene

Concen: 1.049 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. -0.01 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

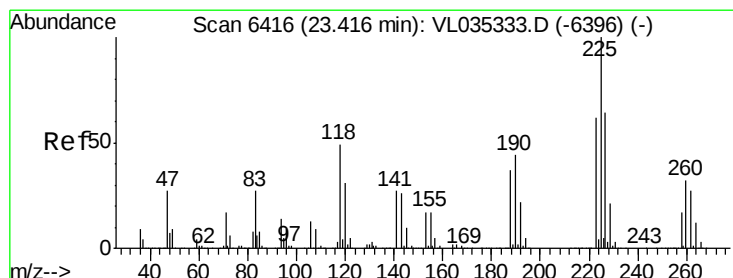
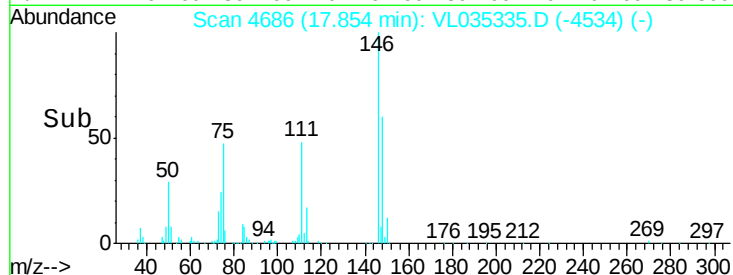
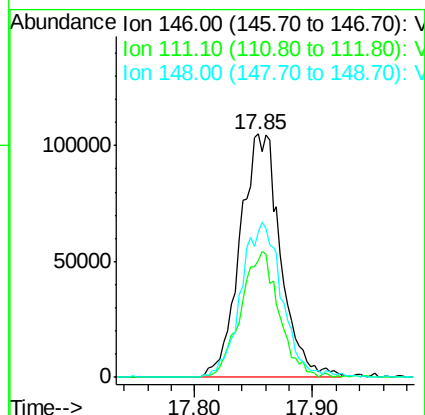
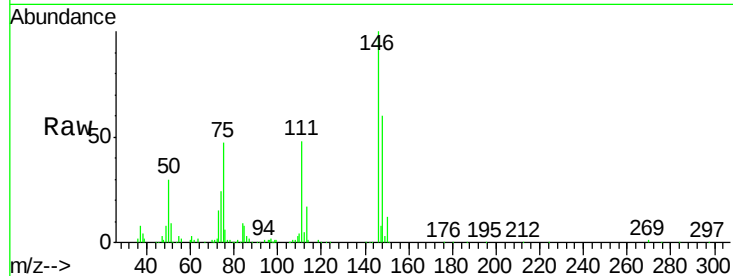
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	0.0	24.9	74.7#
148	0.0	31.9	95.9#

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:53 PM



#78

Hexachloro-1,3-Butadiene

Concen: 1.109 ppbv

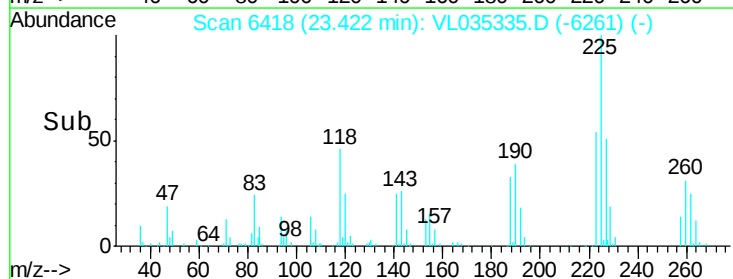
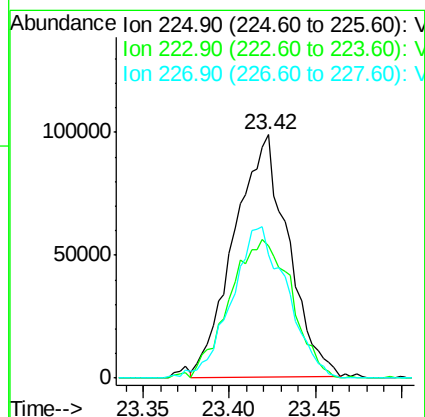
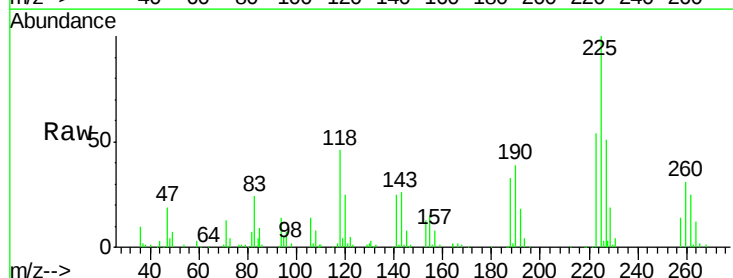
RT: 23.42 min Scan# 6418

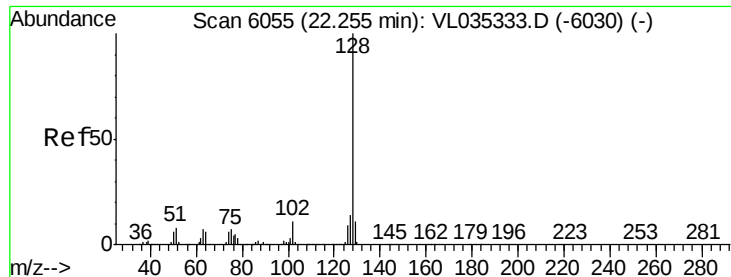
Delta R.T. 0.01 min

Lab File: VL035335.D

Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	65.9	50.3	75.5
227	64.1	52.7	79.1





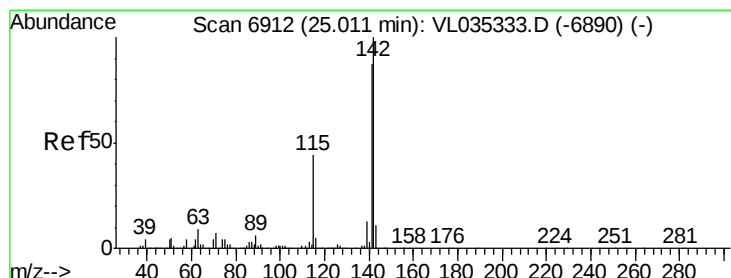
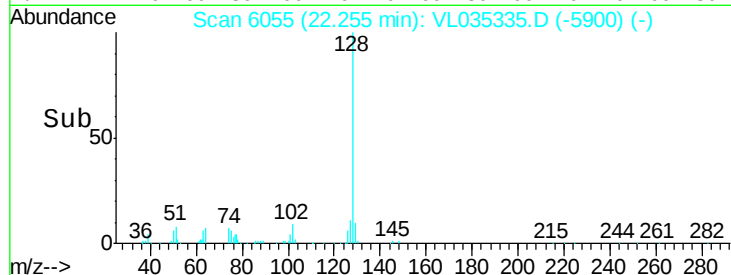
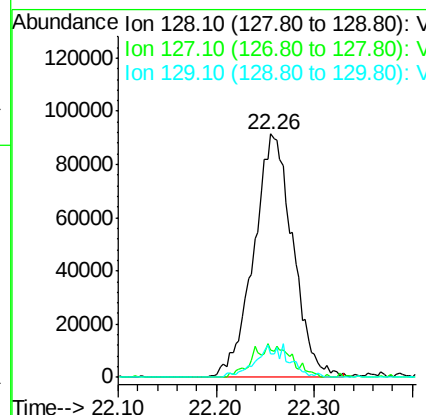
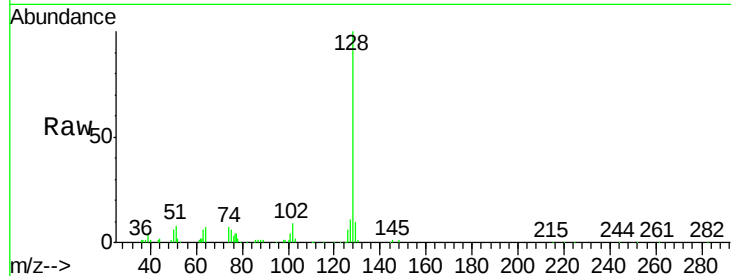
#79
Naphthalene
Concen: 0.766 ppbv m
RT: 22.26 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	11.1	16.7
129	9.9	8.7	13.1

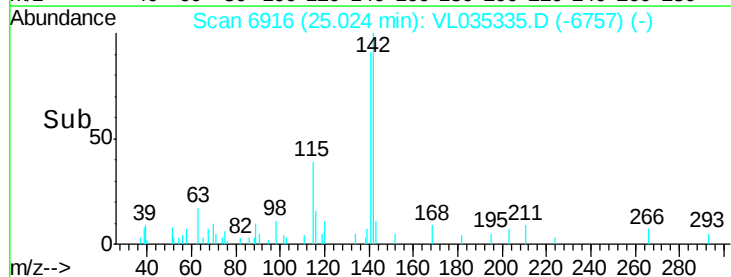
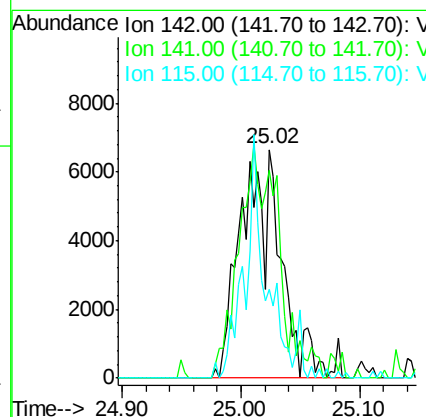
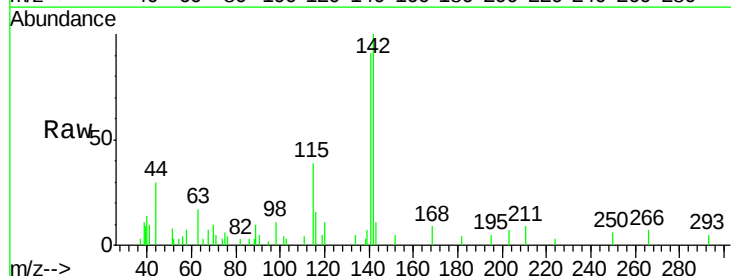
Manual Integrations
APPROVED

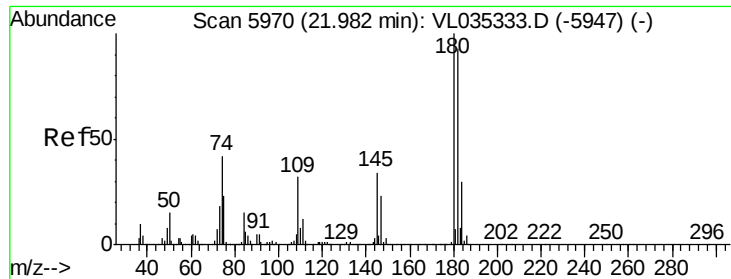
MMDadoda
8/6/2020 12:48:53 PM



#80
Naphthalene, 2-methyl-
Concen: 0.163 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.01 min
Lab File: VL035335.D
Acq: 5 Aug 2020 9:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.6	69.0	103.6
115	58.1	35.5	53.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.903 ppbv m
 RT: 21.99 min Scan# 5972
 Delta R.T. 0.01 min
 Lab File: VL035335.D
 Acq: 5 Aug 2020 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	181982		
182	0.0	77.2	115.8#	
184	29.8	25.1	37.7	

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:53 PM

